



U.S. Department  
of Transportation

**National Highway  
Traffic Safety  
Administration**

400 Seventh Street, S.W.  
Washington, D.C. 20590

Dear Crash Data Researchers/Users:

Thank you for choosing crash data from the National Highway Traffic Safety Administration (NHTSA) for your research or other use. The information contained in this motor vehicle crash report is collected, maintained and distributed in accordance with Public Law 89-564. In accordance with this Public Law, NHTSA is required not to release any case information until completion of quality control procedures. These procedures include a review of the case material to extract all names, licenses and registration numbers, non-coded interview material, non-research related researcher comments in the margins, non-factual data, and the production number portion of the vehicle identification number (VIN).

If you requested NHTSA to query its database files in order to identify a specific crash, then that query was made using non-personal descriptors you provided for use in our search. This motor vehicle crash may have been identified from a data search and matches the general, non-personal descriptors you provided, but we cannot confirm that this is the specific crash report you requested.

If you have any questions with regard to the above procedures, please contact the Field Operations Branch, Crash Investigation Division, National Center for Statistics and Analysis at 202-366-4820. Again, please be advised that we cannot confirm that this is the case that you have specifically requested nor can we certify the information to be correct.

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AUTO SAFETY HOTLINE  
(800) 424-9393  
Wash. D.C. Area 366-0123

Case Vehicle (A): 2000 Dodge  
 Type: Dakota, 4X2 pickup  
 Driver: 63-year-old female  
 CDC: 12-FDEW-4

Vehicle (B): Military truck  
 Type: 5-ton cargo truck w/ trailer  
 Driver: 36-year-old male  
 CDC: 99-0000-0

## **SITUATION**

(Slide 1) Case vehicle (A) was traveling in the outside eastbound lane of a straight section of a dry concrete, eight-lane divided highway, (slide 2) with a posted speed limit of 105 kph (65 mph). Vehicle (B) was traveling in the same eastbound lane, towing a trailer, and was stopped in traffic with its emergency lights flashing. The driver of case vehicle (A) did not realize that vehicle (B) was stopped until a collision was impending. The driver of case vehicle (A) reportedly attempted to avoid a collision by braking, but the front end of case vehicle (A) struck the trailer being towed by vehicle (B). Case vehicle (A) underrode the trailer, resulting in an inverted step pattern of direct damage to case vehicle (A).

## **GENERAL VEHICLE DAMAGE AND ESTIMATED CRASH SEVERITIES**

(Slides 3, 4, 5, 6, 7, 8) Damage to case vehicle (A) was severe. The direct-damage length was 145 cm and involved the entire front end. The maximum crush at the bumper level was 38 cm and occurred at the right-front bumper corner. The maximum crush at the hood level was 94 cm. The bumper was rotated upward. The right wheelbase was reduced 11 cm, and the left wheelbase was extended 7 cm.

Using the WinSMASH accident-reconstruction program and averaged c-values for the bumper-level and hood-level crush for case vehicle (A), the following impact severity was calculated:

Vehicle	Variable	Calculated Velocity Change - kph (mph)		
		Total	Longitudinal	Latitudinal
Case Vehicle (A)	EBS	57 (35)	-57 (-35)	0 (0)

## DESCRIPTION OF DAMAGE TO CASE VEHICLE (A)

### Exterior

(Slides 9, 10, 11, 12, 13) The front bumper, both headlight assemblies, the radiator, the grille, the hood, and both fenders were damaged by direct contact. The right roof siderail was slightly buckled. The hood was crushed, (slide 14) the hood latch was damaged and released, and both hood hinges were damaged, but did not separate. The windshield was damaged as the hood was crushed rearward. (Slides 15, 16) The rear edge of the hood was elevated and contacted the windshield, resulting in an 18-cm hole in the lower right corner of the windshield. (Slides 17, 18) The cab contacted the cargo box. Both front doors were displaced slightly rearward and the hinges were sprung. Both of the right-side windows were shattered.

### Interior

(Slides 19, 20, 21, 22) This vehicle was equipped with both steering-wheel and passenger frontal-impact airbags, which deployed during the frontal impact. (Slides 23, 24, 24, 25, 26, 27, 28) No damage was noted to the airbag module doors/flaps. (Slide 29, 30, 31) The steering-wheel rim was not deformed, but the steering wheel was cut from the vehicle during extrication of the driver. (Slides 32, 33, 34, 35, 36, 37, 38) The windshield was cracked and holed from contact by the hood, and there was blood and skin on the right side of the broken windshield glass. The right side of the windshield was contacted by the right-front passenger, and both right-side windows were shattered. There were several blood stains on the top, top front, and right sides of the passenger frontal-impact airbag. (Slide 39) The rearview mirror was broken off of its mount. There were scuff marks on the transmission selector lever from occupant contact. The hand hold on the A-pillar, the mid and lower instrument panels, and the glovebox were damaged and scuffed by occupant contact. The instruments, climate control vents, and parking brake release were damaged. (Slides 40, 41, 42) The following intrusions were noted and measured:

Location	Component	Distance (cm)	Direction
left front	instrument panel	19	to rear
center front	instrument panel	23	to rear
right front	instrument panel	8	to rear

## **OCCUPANT INJURIES AND KINEMATICS**

The 5-ft, 6-in, 200-lb, 63-year-old female driver (slides 43, 44) was not wearing the available three-point belt, and the steering-wheel airbag deployed. (Slides 45, 46, 47) On impact, she moved forward into the airbag, but (slides 48, 49) it does not appear that she contacted the windshield header. She sustained police-reported “A”, or incapacitating, injuries, but injury details from hospital records are not available.

The 6-ft, 0-in 176-lb 74-year-old male, right-front passenger (slides 50, 51) was not wearing the available three-point belt and the passenger frontal-impact airbag deployed. On impact, (slide 52, 53) he moved forward into and over the airbag, and into the windshield, but it (slide 54) does not appear that he contacted the windshield header or sunvisor. He sustained a laceration that partially split the nose, and a displaced fractured, nose (slide 55) from contact with the windshield, as evidenced by skin and hair deposits. He also sustained a contusion to the right eye, and a comminuted fracture to the right superomedial maxillary sinus/orbital floor with a displaced fracture of the superior lateral maxillary wall, probably from facial contact with the windshield while it was loaded by the crushed hood. He sustained a comminuted fracture to the distal right radius, (slide 56) probably from the airbag flinging his arm into the right upper-A-pillar-mounted hand hold, as evidenced by a scuff mark and hair deposits. He also sustained comminuted fractures of the right tibial plateau and the left patella, (slides 57, 58) from foot and knee contact with the knee bolster and glove box area, respectively as evidenced by a scuff mark on the knee bolster.

The following tables and attached drawings (slides 59, 60) summarize the injuries sustained by the driver and right-front passenger.

Occupant: Driver  
Restraints: 3-point belt not worn; airbag deployed

Age: 63 years  
Stature: 168 cm (5 ft, 6 in)

Gender: Female  
Mass: 91 kg (200 lb)

Injury Description	A.I.S.	Injury Source		
		Definite	Probable	Possible
Police reported "A" (incapacitating) injuries	7			Unknown
<u>Maximum A.I.S. Level</u>	<u>7</u>			
<u>Injury Severity Score</u>	<u>99</u>			

Occupant: Right front  
 Restraints: 3-point belt not worn; airbag deployed

Age: 74 years  
 Stature: 183 cm (6 ft, 0 in)

Gender: Male  
 Mass: 80 kg (176 lb)

Injury Description	A.I.S.	Injury Source		
		Definite	Probable	Possible
Laceration, partially splitting the nose	1	Windshield (loaded by hood)		
Fracture, displaced nose	2	Windshield (loaded by hood)		
Contusion, right eye	1		Windshield (loaded by hood)	
Fracture, comminuted to the right superomedial maxillary sinus/orbital floor with a displaced fracture of the superior lateral maxillary wall	3		Windshield (loaded by hood)	
Fracture, comminuted, distal right radius	3		A-pillar mounted hand hold (airbag fling)	
Fracture, comminuted, right tibial plateau	3		Knee bolster/glove box area	
Fracture, comminuted, left patella	2		Knee bolster/glove box area	
<u>Maximum A.I.S. Level</u>	<u>3</u>			
<u>Injury Severity Score</u>	<u>19</u>			

Duplicate columns 1-8  
from the previous card.

Module G 1 Format 0 2  
9 10 11 12

# GENERAL INFORMATION GI-1

## TIME

DATE OF COLLISION

      /       /            

HOUR OF COLLISION  
(24 HOUR CLOCK)

## LOCATION

STATE:                     

STATE FIPS CODE

AREA

- (1) URBAN  
(2) RURAL  
(9) UNKNOWN

## ENVIRONMENTAL CONDITIONS

LIMITED-ACCESS HIGHWAY

- (0) NO  
(1) YES  
(9) UNKNOWN

ROAD, TOTAL TRAFFIC LANES  
(FOR CASE VEHICLE)

- (1) 1-LANE  
(2) 2-LANES  
(3) 3-LANES  
(4) 4 OR MORE LANES  
(5) DIVIDED, 4 OR MORE LANES  
(6) PARKING LOT/DRIVEWAY  
(7) OTHER:                       
(9) UNKNOWN

INTERSECTING RD, TOTAL LANES  
CHOOSE FROM ABOVE LIST, OR

- (8) NOT APPLICABLE

TYPE OF ROAD SURFACE

- (1) ASPHALT  
(2) CONCRETE  
(3) GRAVEL  
(4) MORE THAN ONE (CIRCLE EACH)  
(7) OTHER:                       
(9) UNKNOWN

ROAD DEFECTS

- (0) NO  
(1) YES  
(9) UNKNOWN

## ENVIRONMENTAL CONDITIONS

CONSTRUCTION ZONE

- (0) NO  
(1) YES  
(9) UNKNOWN

ROAD ALIGNMENT  
VERTICAL PLANE

- (1) LEVEL  
(2) CREST OF HILL  
(3) SLOPE (2%)  
(4) BOTTOM OF HILL  
(9) UNKNOWN

ROAD ALIGNMENT  
HORIZONTAL PLANE

- (1) STRAIGHT  
(2) CURVE  
(3) T - SHAPED  
(4) Y - SHAPED  
(7) OTHER:                       
(9) UNKNOWN

SURFACE COVERING

- (10) DRY  
  
(21) WATER - DAMP  
(22) WATER - WET  
(23) WATER - PUDDLED  
(29) WATER - AMOUNT UNKNOWN  
  
(31) SNOW - LOOSE  
(32) SNOW - PACKED  
(39) SNOW - CONDITION UNKNOWN  
  
(41) ICE  
(51) SLUSH  
(61) SPILLED GRAVEL  
(71) OTHER:                       
(99) UNKNOWN

VISIBILITY LIMITATION  
(FOR CASE VEHICLE)

- (0) NONE  
(1) CLOUDY/DARK  
(2) FOG  
(3) SMOKE  
(4) WINDSHIELD CONDITION  
(5) GLARE  
(6) RAIN  
(7) OTHER:                       
(8) ICE/SNOW  
(9) UNKNOWN

VISIBILITY OBSTRUCTION  
(FOR CASE VEHICLE)

- (0) NONE  
(1) BUILDING  
(2) SIGN  
(3) VEGETATION (E.G. BUSHES, SHRUBS)  
(4) TREE  
(5) HILL OR CURVE IN ROAD  
(6) VEHICLE IN TRANSPORT  
(7) OTHER:                       
(8) PARKED VEHICLE  
(9) UNKNOWN

## ENVIRONMENTAL CONDITIONS

## SPEED LIMIT

- |     |                 |          |
|-----|-----------------|----------|
| (0) | 5-45 km/h ..... | 5-25 mph |
| (1) | 46-55 .....     | 30       |
| (2) | 56-60 .....     | 35       |
| (3) | 61-70 .....     | 40       |
| (4) | 71-79 .....     | 45       |
| (5) | 80-85 .....     | 50       |
| (6) | 86-90 .....     | 55       |
| (7) | 91-105 .....    | 60       |
| (8) | OVER 105 .....  | 65       |
| (9) | UNKNOWN         |          |

## PRECIPITATION

- (0) NONE  
(1) RAIN  
(2) SNOW  
(3) HAIL  
(4) FREEZING RAIN/SLEET  
(7) OTHER: \_\_\_\_\_  
(9) UNKNOWN

### RATE OF PRECIPITATION

- (1) LIGHT/MIST  
(2) MODERATE  
(3) HEAVY  
(8) NOT APPLICABLE  
(9) UNKNOWN

## TEMPERATURE

- (0) BELOW -15° C ..... BELOW 5° F  
(1) -15 TO -6 ..... 5 TO 22  
(2) -5 TO -1 ..... 23 TO 31  
(3) 0 TO 2 ..... 32 TO 36  
(4) 3 TO 5 ..... 37 TO 41  
(5) 6 TO 15 ..... 42 TO 59  
(6) 16 TO 25 ..... 60 TO 77  
(7) 26 TO 35 ..... 78 TO 95  
(8) OVER 35 ..... OVER 96  
(9) UNKNOWN

## CROSSWIND

- (0) NONE  
(1) LIGHT  
(2) STRONG  
(3) GUSTY & STRONG  
(9) UNKNOWN

## LIGHT CONDITIONS

- (1) DAYLIGHT
- (2) DAWN
- (3) DUSK
- (4) DARK, LIGHTED
- (5) DARK, UNLIGHTED
- (6) DARK, UNKNOWN IF LIGHTED
- (9) UNKNOWN

8  
40

41

8

9

9  
44

---

45

## MECHANICAL MALFUNCTION

WAS THERE MENTION  
OF A MECHANICAL MALFUNCTION  
IN CASE VEHICLE

- (0) NO  
(1) YES  
(2) YES, DID NOT CONTRIBUTE  
TO ACCIDENT  
(9) UNKNOWN

46

**THE FOLLOWING SECTION SHOULD BE FILLED  
OUT IF A MECHANICAL MALFUNCTION IS  
RECOGNIZED OR SUSPECTED.**

CIRCLE ITEMS INVOLVED. SUPPORT ANY  
ITEMS CIRCLED WITH COMMENTS.

## BRAKE SYSTEM

## DRIVER CONTROLS

## EXHAUST SYSTEM

## POWER TRAIN

## STEERING SYSTEM

## FUEL SYSTEM

## SUSPENSION SYSTEM

## VISIBILITY ITEMS

## ELECTRICAL SYSTEM

## TIRES

## THROTTLE CONTROLS

UNKNOWN

OTHER: \_\_\_\_\_

COMMENTS: \_\_\_\_\_



## GENERAL INFORMATION GI-3

## CRASH DETAILS

## CASE VEHICLE AND OBJECT

- (0) NO  
(1) YES  
(9) UNKNOWN

0  
47

## CASE VEHICLE ROLLOVER

- (0) NO ROLLOVER  
(1) YES, FIRST EVENT  
(2) YES, SUBSEQUENT EVENT  
(3) YES, SEQUENCE UNKNOWN  
(9) UNKNOWN

0  
48

CASE VEHICLE RAN OFF ROADWAY  
(BEFORE FIRST IMPACT)

- (0) NO  
(1) YES  
(9) UNKNOWN

0  
49

MOVING CASE VEHICLE AND  
CONTACTED MOVING VEHICLE

- (0) NO  
(1) YES  
(9) UNKNOWN

0  
50

CASE VEHICLE AND  
CONTACTED STOPPED VEHICLE

- (0) NO  
(1) YES  
(9) UNKNOWN

1  
51

STOPPED CASE VEHICLE AND  
CONTACTED VEHICLE

- (0) NO  
(1) YES  
(9) UNKNOWN

0  
52

TOTAL NUMBER  
OF VEHICLES CONTACTED  
BY CASE VEHICLE IN CRASH

- (8) 8 OR MORE  
(9) UNKNOWN

1  
53

ANY FIRE IN THIS CRASH  
(NOT JUST CASE VEHICLE)

- (0) NO  
(1) YES  
(9) UNKNOWN

0  
54

HIGHEST POLICE INJURY  
SEVERITY CODE IN CRASH  
(NOT JUST CASE VEHICLE)

- (0) O - NO INJURY  
(1) C - POSSIBLE INJURY  
(2) B - NON-INCAPACITATING INJURY  
(3) A - INCAPACITATING INJURY  
(4) K - FATAL  
(5) INJURED, SEVERITY UNKNOWN  
(6) DIED PRIOR TO ACCIDENT  
(7) NON-FATAL INJURY  
SEVERITY UNKNOWN  
(9) UNKNOWN

3  
55

## DRIVER IMPAIRMENT

DRIVER ALCOHOL INVOLVEMENT  
(CASE VEHICLE)

- (0) NONE  
(1) YES  
(9) UNKNOWN/NOT REPORTED/  
NO DRIVER

0  
56

DRIVER ALCOHOL BAC  
(CASE VEHICLE)

- (80) NO TEST  
(90) CHEMICAL TESTS, NO RESULTS  
(95) AUTOPSY, NO RESULTS  
(99) UNKNOWN

80  
57 58

WAS THERE MENTION OF DRIVER  
IMPAIRMENT FOR CASE VEHICLE?

- (0) NO  
(1) YES  
(9) UNKNOWN

0  
59

## LIST IMPAIRMENTS MENTIONED:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

## Post - CRASH DETAIL

MANNER CASE VEHICLE  
LEFT SCENE

- (1) DRIVEN  
(2) TOWED DUE TO DAMAGE  
(3) TOWED, NOT DUE TO DAMAGE  
(4) TOWED, REASON UNKNOWN  
(9) UNKNOWN

2  
60

ACCIDENT DESCRIPTION: Case vehicle (A) was traveling in the outside eastbound lane of a straight section of a dry, 8-lane divided highway. Vehicle (B) was traveling in the same eastbound lane, towing a trailer, and was stopped in traffic with its emergency lights flashing. The driver of case vehicle (A) did not realize that vehicle (B) was stopped until a collision was impending. The driver of case vehicle (A) reportedly attempted to avoid a collision by braking, but the front end of case vehicle (A) struck the trailer beginning towed by vehicle (B). Case vehicle (A) under rode the trailer, resulting in an inverted step pattern of direct damage to case vehicle (A).

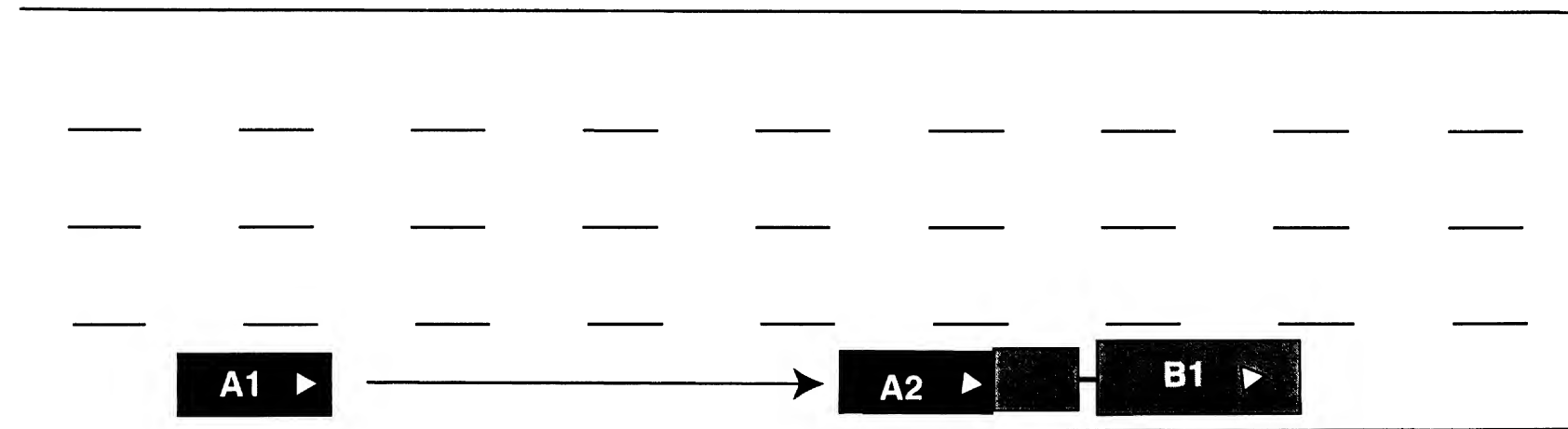
CASE VEHICLE (A): 2000 Dodge Dakota  
OTHER VEHICLE (B): Military truck w/ trailer  
THIRD VEHICLE (C): N/A

G  
4



NORTH

Speed limit 65 mph



Duplicate columns 1-8  
from the previous card.Module 0 V Format 0 4  
9 10 11 12

OTHER VEHICLE OV-1

MAKE: UnknownMODEL: 5 ton military 5-ton cargo truckCARGO: Unknown - towing  
trailer

VIN

13

No VIN  
reported

29

MANUFAC/BODY CODE

00030  
30 34

MAKE/MODEL CODE

9999  
38

MODEL YEAR

9999  
39 42

VEHICLE MASS (kg)

999999  
43 48IF SEPARATE REPORT WAS MADE,  
GIVE VEHICLE NUMBER0NUMBER OF OCCUPANTS  
(ENTER 9'S IF UNKNOWN)02  
51

TRAVELING SPEED (km/h)

000  
54

- (000) PARKED OR STOPPED  
(995) JUST STARTING UP  
(996) BACKING UP  
(997) SPEED NOT EXCESSIVE (BUT UNKNOWN)  
(998) SPEED EXCESSIVE (BUT UNKNOWN)  
(999) UNKNOWN

HIGHEST POLICE INJURY SEVERITY  
CODE FOR THIS VEHICLE

- (0) O - NO INJURY  
(1) C - POSSIBLE INJURY  
(2) B - NON-INCAPACITATING INJURY  
(3) A - INCAPACITATING INJURY  
(4) K - FATAL  
(5) INJURED, SEVERITY UNKNOWN  
(6) DIED PRIOR TO ACCIDENT  
(7) NON-FATAL INJURY  
SEVERITY UNKNOWN  
(8) UNOCCUPIED VEHICLE  
(NOT APPLICABLE)  
(9) UNKNOWN

0  
55

## VEHICLE TYPE

## PASSENGER VEHICLE

- (02) LARGE  
(03) LIMOUSINE  
(17) PICKUP CAR  
(20) UNKNOWN PASSENGER VEHICLE BODY  
(24) SUB-MINI  
(25) MINI  
(26) SUB-COMPACT  
(27) COMPACT  
(28) INTERMEDIATE  
(29) FULL

## MULTIPURPOSE PASSENGER VEHICLE

- (14) SMALL UTILITY (WHEELBASE LESS THAN 107",  
E.G. JEEP, BRONCO)  
(15) LARGE UTILITY (WHEELBASE MORE THAN 107",  
E.G. PANEL TRUCK, SUBURBAN)  
(16) PICKUP TRUCK WITH CANOPY/SHELL COVER  
(17) PICKUP CAR WITH CANOPY/SHELL COVER  
(21) MOTOR HOME  
(22) PICKUP TRUCK WITH SLIDE-IN CAMPER  
(23) PICKUP CAR WITH SLIDE-IN CAMPER  
(31) CHASSIS-MOUNTED CAMPER

## TRUCK

- (11) VAN  
(12) PICKUP TRUCK  
(13) UNKNOWN LIGHT TRUCK  
(15) LARGE UTILITY (E.G. PANEL TRUCK, SUBURBAN)  
(16) PICKUP TRUCK WITH CANOPY/SHELL COVER  
(22) PICKUP TRUCK WITH SLIDE-IN CAMPER  
(30) UNKNOWN TRUCK TYPE  
(31) CHASSIS-MOUNTED CAMPER  
(33) DELIVERY VAN (WALK-IN)  
(34) STRAIGHT TRUCK  
(35) TRUCK-TRACTOR (BOBTAIL)  
(36) CHASSIS-CAB  
(37) UNKNOWN HEAVY TRUCK  
(38) TRACTOR & SEMI-TRAILER (SEMI)  
(39) TRUCK (OR SEMI) & FULL TRAILER(S)

## BUS

- (40) UNKNOWN BUS TYPE  
(41) SCHOOL BUS  
(42) INTERCITY BUS (BETWEEN CITIES)  
(43) TRANSIT BUS (INTRACITY)  
(44) STREETCAR (ON TRACKS)

- (68) TRAIN (CARS)  
(69) LOCOMOTIVE (ENGINE, SWITCHER)

(99) UNKNOWN

WHEELBASE (cm)  
(999) UNKNOWN37  
56 57999  
58 59 60

Duplicate columns 1-8  
from the previous card.

Module 0 9 V 10 Format 0 2  
11 12

OTHER VEHICLE

OV-2

ORIGINAL SPECIFICATIONS

Wheelbase 999 cm

Front Overhang 999 cm

Curb Weight 9999 kg

Rear Overhang 999 cm

Average Track Width 999 cm

Undeformed End Width (UEW) 999 cm

Overall Length 999 cm

Engine Displacement 9.9 L

Overall Width (OAW) 999 cm

Engine: # of Cylinders 99

VEHICLE DAMAGE

Not inspected - No VIN reported

FRONTAL CRASH OVERLAP

Round up for .5. 98 = 98% or more  
Enter % overlap or "99" for missing or N/A.

Direct Damage Length (DDL)

999 cm

Front-End Overlap (Percent) =  $\frac{DDL}{UEW}$

99 %

Vehicle Overlap (Percent) =  $\frac{DDL + 1/2 (OAW - UEW)}{OAW}$

99 %

Duplicate columns 1-8  
from the previous card.

Module V D Format 0 4  
9 10 11 12

# VEHICLE DESCRIPTION VD-1

MAKE: Dodge  
MODEL: Dakota club cab 4x2

CARGO: None

VIN 1 B 7 G L 2 2 N 8 Y S [REDACTED]

MANUFAC/BODY CODE 13212

MAKE/MODEL CODE 3225

MODEL YEAR 2000

VEHICLE MASS (kg) 001809

ODOMETER (km)  
(ENTER 9'S IF UNKNOWN) 888888  
(ENTER 8'S IF ELECTRONIC)

NUMBER OF OCCUPANTS 02  
(ENTER 9'S IF UNKNOWN)

TRAVELING SPEED (km/h) 999

- (000) PARKED OR STOPPED  
(995) JUST STARTING UP  
(996) BACKING UP  
(997) SPEED NOT EXCESSIVE (BUT UNKNOWN)  
(998) SPEED EXCESSIVE (BUT UNKNOWN)  
(999) UNKNOWN

## STOLEN VEHICLE

- (0) NO  
(1) YES  
(8) NOT COLLECTED  
(9) UNKNOWN

8  
62

## BODY STRUCTURE

- (1) BODY & FRAME  
(2) UNITIZED  
(3) INTEGRAL-STUB FRAME  
(4) BODY & PLATFORM FRAME  
(E.G. VW BUG)  
(5) PARTIALLY UNITIZED  
(7) OTHER: \_\_\_\_\_  
(9) UNKNOWN

1  
63

## TRANSMISSION

- (0) NONE  
(1) AUTOMATIC  
(2) MANUAL  
(9) UNKNOWN

1  
64

## VEHICLE TYPE

- PASSENGER VEHICLE  
(11) 2-DOOR HARDTOP (NO UPPER B-PILLAR)  
(12) 2-DOOR SEDAN OR COUPE  
(ANY UPPER B-PILLAR)  
(13) 4-DOOR HARDTOP  
(14) 4-DOOR SEDAN  
(15) STATION WAGON  
(16) CONVERTIBLE  
(18) OTHER PASS. VEH.: \_\_\_\_\_  
(19) PASSENGER VEHICLE, TYPE UNKNOWN

- MULTIPURPOSE PASSENGER VEHICLE  
(21) SMALL UTILITY (E.G. JEEP, SCOUT, BRONCO)  
(22) LARGE UTILITY (E.G. PANEL TRUCK, SUBURBAN)  
(23) VAN, SIZE UNKNOWN  
(24) VAN, SMALL (MINI)  
(25) VAN, LARGE  
(29) MPV, TYPE UNKNOWN  
(30) MOTOR HOME

- TRUCK  
(31) PICKUP TRUCK, UNKNOWN  
(32) PICKUP TRUCK, SMALL (DOWNSIZED)  
(33) PICKUP TRUCK, LARGE  
(99) UNKNOWN

32  
60 61

## LOCATION OF TRANSMISSION SELECTOR LEVER

- (1) FLOOR  
(2) CONSOLE  
(3) COLUMN  
(7) OTHER: \_\_\_\_\_  
(9) UNKNOWN

3  
65

## STEERING

- (1) POWER  
(2) MANUAL  
(9) UNKNOWN

1  
66

## BRAKES

- (1) POWER  
(2) MANUAL  
(9) UNKNOWN

1  
67

TYPE OF BRAKES

- (1) DRUM, ALL WHEELS
- (2) DISC, FRONT WHEELS
- (3) DISC, ALL WHEELS
- (9) UNKNOWN

2  
68

WHEELBASE (cm)  
(999) Unknown

333  
76 77 78

BRAKE ANTI-LOCK DEVICE

- (0) NONE INSTALLED
- (1) TWO-WHEEL
- (2) FOUR-WHEEL
- (7) EQUIPPED, UNKNOWN WHEELS
- (9) UNKNOWN

2  
69

PLASTIC ANTI-LACERATIVE  
INNER LAYER GLASS EQUIPPED

- (0) NONE
- (1) WINDSHIELD
- (2) WINDSHIELD AND SIDE
- (7) OTHER
- (9) UNKNOWN

0  
79

AIR CONDITIONING IN VEHICLE

- (0) NO
- (1) YES
- (8) NOT COLLECTED
- (9) UNKNOWN

8  
70

TYPE OF DRIVE

- (1) REAR WHEEL
- (2) FRONT WHEEL
- (3) FOUR WHEEL
- (4) ALL WHEEL DRIVE
- (9) UNKNOWN

1  
71

FIELD INVESTIGATOR INSTRUCTIONS:

1. INDICATE CRUSHED AREAS BY OUT-LINING NEW PERIMETER OF VEHICLE AND SHADING THE DAMAGED AREAS ON THE LARGE SKETCH ON PAGE VD-3. USE AS MANY SKETCHES AS NECESSARY TO COMPLETELY DESCRIBE THE DAMAGE.
2. ENTER THE DIMENSIONS ON THE SKETCH(ES) MEASURED TO THE POINT OF MAXIMUM PENETRATION BY THE OBJECT(S) CONTACTED. USE THE EXAMPLES BELOW AS A GUIDE.
3. ENTER THE THREE DIMENSIONS TO THE CENTER OF THE WHEELS (WHEELBASE, FRONT AND REAR OVERHANGS) ON BOTH SIDES OF THE CAR.
4. ADD OTHER DIMENSIONS AS NECESSARY TO COMPLETELY DESCRIBE THE DAMAGE.

EXAMPLES:

DUAL REAR WHEELS

- (0) NO
- (1) YES
- (9) UNKNOWN

0  
72

ORIGINAL TYPE  
OF RESTRAINT SYSTEM

- (1) ACTIVE BELT
- (2) PASSIVE BELT
- (3) AIRBAG
- (4) KNEE BOLSTERS
- (7) OTHER: \_\_\_\_\_
- (8) NOT APPLICABLE (NOT EQUIPPED)
- (9) UNKNOWN

3  
73

EQUIPPED WITH ROLL BAR

- (0) NO
- (1) YES
- (9) UNKNOWN

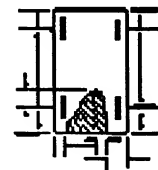
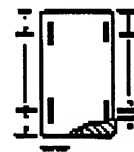
0  
74

TYPE OF ROOF

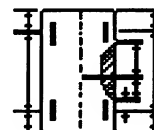
- (0) NONE
- (1) SOLID
- (2) T-TOP CLOSED
- (3) T-TOP OPEN
- (4) SUN ROOF CLOSED
- (5) SUN ROOF OPEN
- (6) CONVERTIBLE CLOSED
- (7) CONVERTIBLE OPEN
- (8) OTHER: \_\_\_\_\_
- (9) UNKNOWN

1  
75

FRONT OR REAR



SIDE



ROOF (REFERENCE TO  
TOP OF DOOR SILL  
OR WINDOW SILL)



Duplicate columns 1-8  
from the previous card.

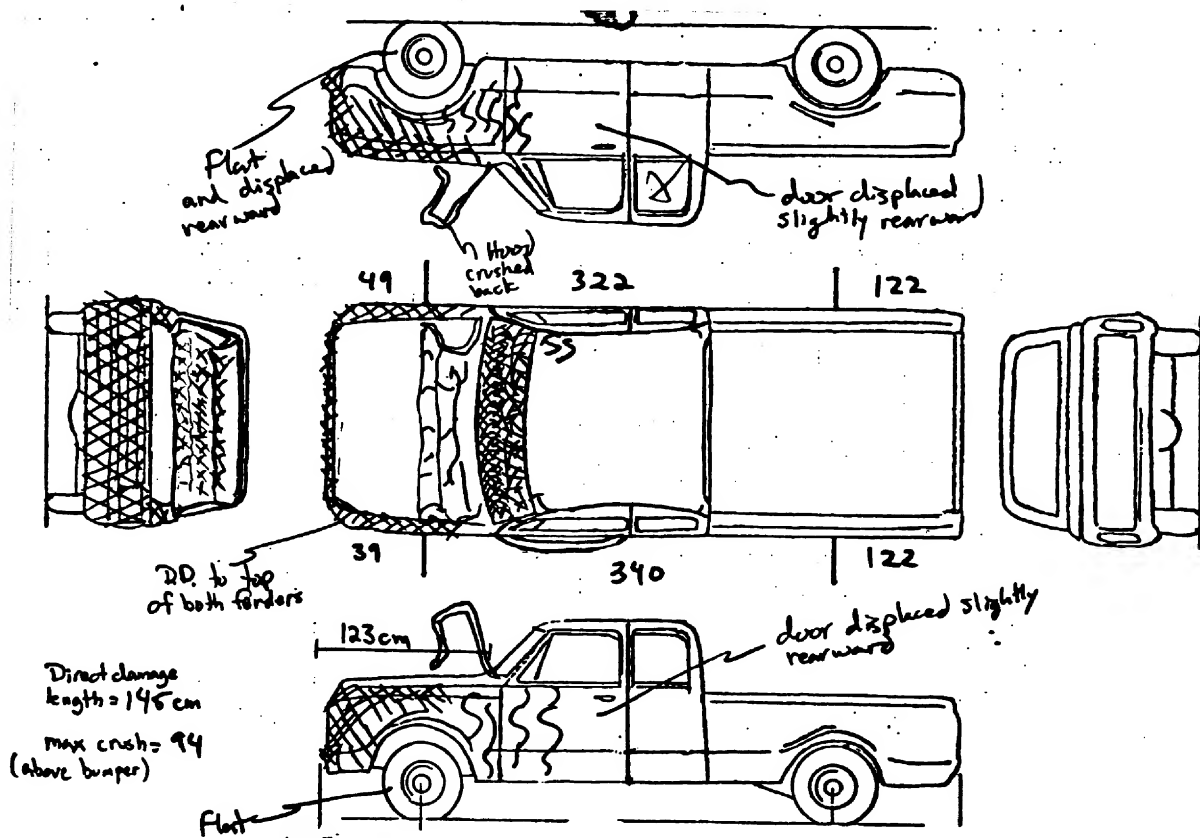
Module V D Format 0 2  
9 10 11 12

# VEHICLE DESCRIPTION VD-3

## ORIGINAL SPECIFICATIONS

Wheelbase	<u>333</u> cm	Front Overhang	<u>087</u> cm
Curb Weight	<u>1809</u> kg	Rear Overhang	<u>126</u> cm
Average Track Width	<u>155</u> cm	Undeformed End Width (UEW)	<u>150</u> cm
Overall Length	<u>546</u> cm	Engine Displacement	<u>4.7</u> L
Overall Width (OAW)	<u>182</u> cm	Engine: # of Cylinders	<u>08</u>

## VEHICLE DAMAGE



## FRONTAL CRASH OVERLAP

Round up for .5. 98 = 98% or more  
Enter % overlap or "99" for missing or N/A.

Direct Damage Length (DDL)

145 cm  
35 37

Front-End Overlap (Percent) =  $\frac{DDL}{UEW}$

98 %  
38 39

Vehicle Overlap (Percent) =  $\frac{DDL + 1/2 (OAW - UEW)}{OAW}$

98 %  
40 41

Duplicate columns 1-8  
from the previous card.

Module D A Format 0 2  
9 10 11 12

DAMAGE DA-1

PRIMARY	CASE VEHICLE PRIMARY CDC	CONTACTED VEHICLE ASSOCIATED CDC
EVENT NUMBER	<u>1</u> 13	
IMPACT SPEED (km/h)	<u>999</u> 14 15 16	<u>999</u> 35 36 37
ESTIMATED BY	<u>1</u> 17	<u>1</u> 38
CRUSH (cm)	<u>094*</u> 18 19 20	<u>999</u> 39 40 41
CDC #1	<u>12.FDEW.4</u> 21 27	<u>99.00000.0</u> 42 48
CDC #2	<u>98.00000.0</u> 28 34	<u>98.00000.0</u> 49 55
	* above bumper	

Duplicate columns 1-8  
from the previous card.

Module D A Format 0 3  
9 10 11 12

SECONDARY	CASE VEHICLE SECONDARY CDC	CONTACTED VEHICLE ASSOCIATED CDC
EVENT NUMBER	<u>8</u> 13	
IMPACT SPEED (km/h)	<u>    </u> 14 15 16	<u>    </u> 35 36 37
ESTIMATED BY	<u>    </u> 17	<u>    </u> 38
CRUSH (cm)	<u>    </u> 18 19 20	<u>    </u> 39 40 41
CDC #1	<u>    </u> - <u>    </u> - <u>    </u> - <u>    </u> - <u>    </u> 21 27	<u>    </u> - <u>    </u> - <u>    </u> - <u>    </u> - <u>    </u> 42 48
CDC #2	<u>    </u> - <u>    </u> - <u>    </u> - <u>    </u> - <u>    </u> 28 34	<u>    </u> - <u>    </u> - <u>    </u> - <u>    </u> - <u>    </u> 49 55

## CODES

### EVENT NUMBER

(8) NOT APPLICABLE  
(9) UNKNOWN

### IMPACT SPEED

(998) NOT APPLICABLE  
(999) UNKNOWN

### IMPACT SPEED ESTIMATOR

(1) INVESTIGATOR  
(2) DRIVER  
(3) POLICE  
(4) "CRASH" PROGRAM  
(5) OTHER COMPUTER PROGRAM  
SPECIFY: \_\_\_\_\_  
(7) OTHER: \_\_\_\_\_  
(8) NOT APPLICABLE  
(NO VEHICLE/NO IMPACT)

### CRUSH

(998) NOT APPLICABLE  
(NO VEHICLE/DAMAGE)  
(999) UNKNOWN

### CDC

(9800000) NOT APPLICABLE  
(9900000) UNKNOWN



Duplicate columns 1-8  
from the previous card.Module D A Format 0 1  
9 10 11 12

DAMAGE DA-2

## MAXIMUM SHEET METAL CRUSH

(cm) (999) UNKNOWN

FRONT	<u>0</u> <u>9</u> <u>4</u> 13 15	RIGHT SIDE	<u>0</u> <u>0</u> <u>0</u> 16 18
REAR	<u>0</u> <u>0</u> <u>0</u> 19 21	LEFT SIDE	<u>0</u> <u>0</u> <u>0</u> 22 24
ROOF	<u>0</u> <u>0</u> <u>0</u> 25 27	OTHER	<u>0</u> <u>0</u> <u>0</u> 28 30

CHRONOLOGICAL SEQUENCE  
OF DAMAGE/INJURY PRODUCING CRASH EVENTS  
FOR CASE VEHICLE

NOTE: IF CHRONOLOGICAL ORDER  
IS UNKNOWN, EVENT  
ORDER IS OPTIONAL.

DO YOU KNOW THIS TABLE  
TO BE IN CHRONOLOGICAL ORDER?

(0) NO  
(1) YES

1  
31

EVENT NUMBER	IMPACT LOCATION (1) ON ROADWAY (2) SHOULDER/MEDIAN/GORE (3) ON ROADSIDE (4) OUTSIDE ROADSIDE RIGHT-OF-WAY (5) OTHER (6) OFF ROADWAY, LOC. UNK. (9) UNKNOWN	IMPACT CONFIGURATION FOR CODES, SEE TABLE ON PAGE DA-3.	OBJECT/VEHICLE CONTACTED FOR CODES, SEE TABLE ON PAGE DA-4.
# 1	<u>1</u> 32	<u>14</u> 34	<u>37</u> 36
#2	<u>  </u> 37	<u>  </u> 39	<u>  </u> 41
#3	<u>  </u> 42	<u>  </u> 44	<u>  </u> 46
#4	<u>  </u> 47	<u>  </u> 49	<u>  </u> 51
#5	<u>  </u> 52	<u>  </u> 54	<u>  </u> 58
#6	<u>  </u> 57	<u>  </u> 59	<u>  </u> 61
#7	<u>  </u> 62	<u>  </u> 64	<u>  </u> 66

# CODES FOR IMPACT CONFIGURATION

## FRONT OF CASE VEHICLE

- (11) AND FRONT OF CONTACTED VEHICLE
- (13) AND SIDE OF CONTACTED VEHICLE
- (14) AND REAR OF CONTACTED VEHICLE
- (16) ENDSWIPED BY CONTACTED VEHICLE
- (17) AND OBJECT
- (19) AND UNKNOWN OTHER VEHICLE CONFIGURATION

## LEFT SIDE OF CASE VEHICLE

- (21) AND FRONT OF CONTACTED VEHICLE (TYPE T)
- (22) AND FRONT OF CONTACTED VEHICLE (TYPE L)
- (23) AND SIDE OF CONTACTED VEHICLE (NOT SIDESWIPE)
- (24) AND REAR OF CONTACTED VEHICLE (TYPE T)
- (25) AND REAR OF CONTACTED VEHICLE (TYPE L)
- (26) SIDESWIPED BY CONTACTED VEHICLE
- (27) AND OBJECT
- (29) AND UNKNOWN OTHER VEHICLE CONFIGURATION

## REAR OF CASE VEHICLE

- (31) AND FRONT OF CONTACTED VEHICLE
- (33) AND SIDE OF CONTACTED VEHICLE
- (34) AND REAR OF CONTACTED VEHICLE
- (36) ENDSWIPED BY CONTACTED VEHICLE
- (37) AND OBJECT
- (39) AND UNKNOWN OTHER VEHICLE CONFIGURATION

## RIGHT SIDE OF CASE VEHICLE

- (41) AND FRONT OF CONTACTED VEHICLE (TYPE T)
- (42) AND FRONT OF CONTACTED VEHICLE (TYPE L)
- (43) AND SIDE OF CONTACTED VEHICLE (NOT SIDESWIPE)
- (44) AND REAR OF CONTACTED VEHICLE (TYPE T)
- (45) AND REAR OF CONTACTED VEHICLE (TYPE L)
- (46) SIDESWIPED BY CONTACTED VEHICLE
- (47) AND OBJECT
- (49) AND UNKNOWN OTHER VEHICLE CONFIGURATION

## OTHER

- (57) VEHICLE TO OBJECT
- (58) VEHICLE TO VEHICLE
- (59) VEHICLE TO VEHICLE, CONFIGURATION UNKNOWN

## ROLLOVER

- (61) LESS THAN 360°
- (62) 360° OR MORE
- (69) DETAILS UNKNOWN

## UNKNOWN

- (99) IMPACT TYPE UNKNOWN

## DAMAGE DA-4

## CODES FOR VEHICLE/OBJECT CONTACTED

## VEHICLE/OBJECT GROUPS

- (00) NO OBJECT
- (01) - (39) PASSENGER VEHICLE & TRUCK
- (40) - (69) OTHER VEHICLE
- (70) - (76) PEDESTRIAN & ON-ROADWAY OBJECT
- (77) - (97) OFF-ROADWAY OBJECT

- (98) OTHER (DESCRIBE)
- (99) UNKNOWN

## PASSENGER VEHICLE

- (02) LARGE
- (03) LIMOUSINE
- (17) PICKUP
- (20) UNKNOWN PASSENGER VEHICLE BODY
- (24) SUB-MINI
- (25) MINI
- (26) SUB-COMPACT
- (27) COMPACT
- (28) INTERMEDIATE
- (29) FULL

SIZEWHEELBASE

SUB-MINI	< 2286 mm (< 90")
MINI	2286 - 2412 mm (90" - 94.9")
SUB-COMPACT	2413 - 2539 mm (95" - 99.9")
COMPACT	2540 - 2666 mm (100" - 104.9")
INTERMEDIATE	2667 - 2793 mm (105" - 109.9")
FULL	2794 - 2920 mm (110" - 114.9")
LARGE	2921 - 3174 mm (115" - 124.9")
LIMOUSINE	> 3175 mm (> 125")

## MULTIPURPOSE PASSENGER VEHICLE

- (11) SMALL VAN (MINI)
- (12) PICKUP
- (14) SMALL UTILITY (WHEELBASE LESS THAN 107",  
E.G. JEEP, BRONCO)
- (15) LARGE UTILITY (WHEELBASE MORE THAN 107",  
E.G. PANEL TRUCK, SUBURBAN)
- (16) PICKUP TRUCK WITH CANOPY/SHELL COVER
- (17) PICKUP CAR WITH CANOPY/SHELL COVER
- (21) MOTOR HOME
- (22) PICKUP TRUCK WITH SLIDE-IN CAMPER
- (23) PICKUP CAR WITH SLIDE-IN CAMPER
- (31) CHASSIS-MOUNTED CAMPER

## TRUCK

- (11) SMALL VAN (E.G. ECONOLINE)
- (12) PICKUP TRUCK
- (13) UNKNOWN LIGHT TRUCK
- (15) LARGE UTILITY (E.G. PANEL TRUCK, SUBURBAN)
- (16) PICKUP TRUCK WITH CANOPY/SHELL COVER
- (22) PICKUP TRUCK WITH SLIDE-IN CAMPER
- (30) UNKNOWN TRUCK TYPE
- (31) CHASSIS-MOUNTED CAMPER
- (33) DELIVERY VAN (WALK-IN)
- (34) STRAIGHT TRUCK
- (35) TRUCK-TRACTOR (BOBTAIL)
- (36) CHASSIS-CAB
- (37) UNKNOWN HEAVY TRUCK
- (38) TRACTOR & SEMI-TRAILER (SEMI)
- (39) TRUCK (OR SEMI) & FULL TRAILER(S)

## BUS

- (40) UNKNOWN BUS TYPE
- (41) SCHOOL BUS
- (42) INTERCITY BUS (BETWEEN CITIES)
- (43) TRANSIT BUS (INTRACITY)
- (44) STREETCAR (ON TRACKS)

## MOTORCYCLE

- (50) UNKNOWN MOTORCYCLE TYPE
- (51) 1 - 75 cc
- (52) 76 - 125 cc
- (53) 126 - 250 cc
- (54) 251 - 500 cc
- (55) 501 - 750 cc
- (56) 751 cc +
- (57) 3-WHEELS (OR WITH SIDECAR)

## SPECIAL PURPOSE VEHICLE

- (60) UNKNOWN/OTHER SPECIAL VEHICLE (DESCRIBE)
- (61) SNOWMOBILE
- (62) ATV (ALL TERRAIN VEHICLE)
- (63) AMPHIBIOUS VEHICLE
- (64) FARM VEHICLE
- (65) CONSTRUCTION VEHICLE
- (66) TRAILER, PRIVATE (CAMPER)
- (67) TRAILER, COMMERCIAL (CARGO)
- (68) TRAIN (CARS)
- (69) LOCOMOTIVE (ENGINE, SWITCHER)

## OBJECT

- (70) PEDESTRIAN
- (71) BICYCLIST, OTHER PEDALCYCLIST
- (72) PEDESTRIAN CONVEYANCE (E.G. PERSON RIDING  
ANIMAL, CART)
- (73) LARGE ANIMAL
- (74) FALLEN OBJECT (E.G. OBJECT DISLODGED FROM  
OTHER VEHICLE, FALLEN TREE, ROCKS)
- (75) ROCKS
- (76) CONSTRUCTION EQUIPMENT (EXCLUDING (65))
- (77) SIGN POST, UTILITY POLE, TREE
- (78) DITCH
- (79) EMBANKMENT, SNOWBANK, RR TRACKS RR X
- (80) GROUND (ROLLOVER ONLY)
- (81) CURB (DAMAGE PRODUCING IMPACTS ONLY)
- (82) CULVERT
- (83) FENCE
- (84) HYDRANT, SHORT POST, STUMP
- (85) SMALL POST/TREE, RURAL MAIL BOX, MILE  
MARKER, DELINEATOR
- (86) BUILDING
- (87) PIER, PILLAR, BRIDGE SUPPORT
- (88) ABUTMENT, RETAINING WALL
- (89) BRIDGE RAIL
- (90) GUARD RAIL, LEADING SECTION
- (91) GUARD RAIL, MIDDLE OR UNKNOWN
- (92) GUARD RAIL, TRAILING SECTION
- (93) GUARD POST (TIMBER, METAL, CONCRETE)
- (94) CABLE, FENCE BARRIER
- (95) CONCRETE BARRIER (MEDIAN)
- (96) IMPACT ATTENUATOR
- (97) BREAKAWAY FEATURES



Duplicate columns 1-8  
from the previous card.Module C R Format 0 1  
9 10 11 12CRASH RECONSTRUCTION CR-1  
for  $\Delta V$ 

	CASE VEHICLE PRIMARY IMPACT				CASE VEHICLE SECONDARY IMPACT			
	CASE VEHICLE			CONTACTED VEHICLE	CASE VEHICLE			CONTACTED VEHICLE
EVENT NUMBER	1							
	13				47			
$\Delta V$ (km/h) TOTAL	999			999				
	14 15 16			32 33 34	48 49 50			66 67 68
LONGITUDINAL*	9999			9999				
	17 20			35 38	51 54			69 72
LATERAL*	9999			9999				
	21 24			39 42	55 58			73 76
*NOTE: THESE $\Delta V$ COMPONENTS MUST INCLUDE SIGN.								
EXAMPLES: 10 km/h = $\pm 010$ -7 km/h = $-007$								
ENERGY DISSIPATED BY CRUSH (kg)	9999			9999				
	25 28			43 46	59 62			77 80
RECONSTRUCTION								
(01) RECONSTRUCTED, UNKNOWN CONFIDENCE LEVEL	11							
	29 30				63 64			
(21) RECONSTRUCTED, LOW CONFIDENCE LEVEL								
(22) RECONSTRUCTED, MODERATE CONFIDENCE LEVEL								
(23) RECONSTRUCTED, HIGH CONFIDENCE LEVEL								
NOT RECONSTRUCTED BECAUSE								
(02) INSUFFICIENT DATA								
(03) EXCESSIVE UNDERRIDE/ OVERRIDE								
(04) ROLLOVER								
(05) VAULTING								
(06) OTHER TRAVEL IN MORE THAN ONE PLANE								
(07) NON-HORIZONTAL FORCE								
(08) SIDESWIPE-TYPE DAMAGE								
(09) YIELDING OBJECT								
(10) OTHER: _____								
(11) AT LEAST ONE VEHICLE BEYOND SCOPE								
(12) OTHER VEHICLE NOT INSPECTED								
MODE								
(1) CDC ONLY	5							
(2) CDC & DETAILED DAMAGE	31				65			
(3) TRAJECTORY & CDC								
(4) TRAJECTORY & CDC & DETAILED DAMAGE								
(5) NOT RECONSTRUCTED								
COMPUTER PROGRAM SPECIFY: _____								

Duplicate columns 1-8  
from the previous card.

Module C R Format 0 2  
9 10 11 12

CRASH RECONSTRUCTION CR-2  
for EBS

	CASE VEHICLE PRIMARY IMPACT		CASE VEHICLE SECONDARY IMPACT	
	CASE VEHICLE	CONTACTED VEHICLE	CASE VEHICLE	CONTACTED VEHICLE
EVENT NUMBER	<u>1</u> 13		<u>47</u>	
EBS (km/h) TOTAL	<u>057</u> 14 15 16	<u>999</u> 32 33 34	<u>    </u> 48 49 50	<u>    </u> 66 67 68
LONGITUDINAL*	<u>- 057</u> 17 20	<u>9999</u> 35 38	<u>    </u> 51 54	<u>    </u> 69 72
LATERAL*	<u>+ 000</u> 21 24	<u>9999</u> 39 42	<u>    </u> 55 58	<u>    </u> 73 76
* NOTE: THESE EBS COMPONENTS MUST INCLUDE SIGN.				
EXAMPLES: 10 km/h = <u>+ 010</u> -7 km/h = <u>- 007</u>				
ENERGY DISSIPATED BY CRUSH (kj)	<u>0247</u> 25 28	<u>9999</u> 43 46	<u>    </u> 59 62	<u>    </u> 77 80
RECONSTRUCTION				
(01) RECONSTRUCTED, UNKNOWN CONFIDENCE LEVEL	<u>21</u> 29 30		<u>    </u> 63 64	
(21) RECONSTRUCTED, LOW CONFIDENCE LEVEL				
(22) RECONSTRUCTED, MODERATE CONFIDENCE LEVEL				
(23) RECONSTRUCTED, HIGH CONFIDENCE LEVEL				
NOT RECONSTRUCTED BECAUSE				
(02) INSUFFICIENT DATA				
(03) EXCESSIVE UNDERRIDE/ OVERRIDE				
(04) ROLLOVER				
(05) VAULTING				
(06) OTHER TRAVEL IN MORE THAN ONE PLANE				
(07) NON-HORIZONTAL FORCE				
(08) SIDESWIPE-TYPE DAMAGE				
(09) YIELDING OBJECT				
(10) OTHER: _____				
(11) AT LEAST ONE VEHICLE BEYOND SCOPE				
(12) OTHER VEHICLE NOT INSPECTED				
MODE				
(1) CDC ONLY	<u>2</u> 31		<u>    </u> 65	
(2) CDC & DETAILED DAMAGE				
(3) TRAJECTORY & CDC				
(4) TRAJECTORY & CDC & DETAILED DAMAGE				
(5) NOT RECONSTRUCTED				
COMPUTER PROGRAM SPECIFY: <u>WINSMASH</u>				



**NOTES:**

1. ENTER CRASH RECONSTRUCTION DAMAGE MEASUREMENTS IN CENTIMETERS.
2. MEASURE  $C_1$  TO  $C_6$  FROM DRIVER TO PASSENGER SIDE IN FRONT OR REAR IMPACTS, REAR TO FRONT IN SIDE IMPACTS.
3.  $D$  IS POSITIVE IF MEASURED TO A POINT FORWARD OF OR TO THE RIGHT OF THE CG.
4. USE THE CENTER OF THE WHEELBASE AS THE CG.

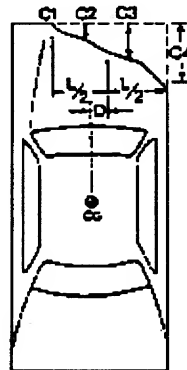
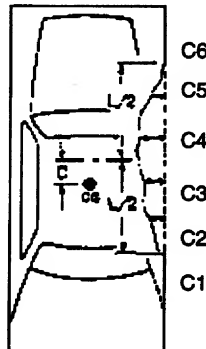
OTHER VEHICLE

LOCATOR

**Locate the end of the damage with respect to the vehicle longitudinal center line, or an undamaged axle for side impacts.**

Specific Impact No.	Location of Direct Damage	Location of Field L

Not  
inspected.  
(trailer)



DL \_\_\_\_\_

UDL \_\_\_\_\_

**PLANE:**

- (1) Bumper  
(2) Above Bumper  
(3) Sill  
(4) Above Sill  
(5) Other \_\_\_\_\_  
(9) Unknown

### CRUSH PROFILE IN CENTIMETERS

**NOTE:** Each line in the table below is a separate record (card).

Duplicate columns 1 - 12 for each completed line.

[illegible]



Duplicate columns 1-8  
from the previous card.

Module W T Format 0 1  
9 10 11 12

## WHEELS AND TIRES

WT-1

## WHEELS--DAMAGED

- (0) NO  
(1) YES  
(9) UNKNOWN

LF

①

RF

①<sup>13</sup>

RR

①

LR

①<sup>16</sup>

SIZE (NOT DOT CODE. IF UNKNOWN, USE 9'S)

LF

P21575R15<sub>25</sub>

RF

P21575R15<sub>35</sub>

RR

P21575R15<sub>45</sub>

LR

P21575R15<sub>55</sub>

## TIRE TREAD TYPE

- (1) REGULAR  
(2) SNOW  
(3) SLICKS  
(4) ALL WEATHER (MS)  
(7) OTHER: \_\_\_\_\_  
(9) UNKNOWN

LF

4<sup>17</sup>

RF

4

RR

4

LR

4<sup>20</sup>

## CARCASS CONSTRUCTION

- (1) BIAS  
(2) BELTED BIAS  
(3) RADIAL  
(4) ELLIPTICAL  
(5) HI PRESSURE SPARE  
(6) SPACE SAVER SPARE  
(7) OTHER: \_\_\_\_\_  
(9) UNKNOWN

LF

3<sup>21</sup>

RF

3

RR

3

LR

3<sup>24</sup>

IF VEHICLE IS EQUIPPED WITH DUAL  
WHEELS, COMPLETE FOR OUTER WHEELS  
AND MAKE NOTES ON INNER WHEELS.

NOTES: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Duplicate columns 1-8  
from the previous card.

Module F T Format 0 1  
9 10 11 12

# FUEL AND FUEL TANKS FT-1

TYPE OF PROPULSIVE FUEL (1) GASOLINE (2) DIESEL OIL (3) LPG (4) ELECTRIC (7) OTHER: _____ (9) UNKNOWN	<u>1</u> 13	AUXILIARY TANK TYPE (1) OEM TANK (2) AFTER MARKET TANK (8) NOT APPLICABLE (NOT EQUIPPED) (9) UNKNOWN	<u>8</u> 21
MAIN TANK LOCATION	<u>112</u> 14 16	AUXILIARY TANK LOCATION	<u>888</u> 22 24
MAIN FILLER CAP LOCATION	<u>113</u> 17 19	AUXILIARY FILLER CAP LOCATION	<u>888</u> 25 27
MAIN TANK MATERIAL	<u>3</u> 20	AUXILIARY TANK MATERIAL	<u>8</u> 28

## TANK AND FILLER CAP LOCATION CODES

### FIRST DIGIT (LONGITUDINAL)

- (1) BEHIND KICK-UP
- (2) IN KICK-UP
- (3) BETWEEN KICK-UP & COWL
- (4) FORWARD OF COWL
- (8) NOT APPLICABLE (NOT EQUIPPED)
- (9) UNKNOWN

### SECOND DIGIT (LATERAL)

- (1) LEFT OF FRAME
- (2) WITHIN FRAME OR CENTERED
- (3) RIGHT OF FRAME
- (4) DUAL, RIGHT & LEFT TANKS
- (8) NOT APPLICABLE (NOT EQUIPPED)
- (9) UNKNOWN

### THIRD DIGIT (VERTICAL)

- (1) BELOW FRAME
- (2) WITHIN FRAME OR CENTERED
- (3) ABOVE FRAME
- (8) NOT APPLICABLE (NOT EQUIPPED)
- (9) UNKNOWN

## TANK MATERIAL CODES

- (1) STEEL
- (2) ALUMINUM
- (3) PLASTIC
- (7) OTHER
- (8) NOT APPLICABLE (NOT EQUIPPED)
- (9) UNKNOWN

Duplicate columns 1-8  
from the previous card.

Module F L Format 0 1  
9 10 11 12

## FUEL LEAKAGE FL-1

### DID FUEL LEAKAGE RESULT FROM A CRASH EVENT

(0) NO KNOWN LEAKAGE SKIP PAGE.

(1) YES COMPLETE PAGE.

①  
13

LEAK NUMBER	I LEAKING COMPONENT	II COMPONENT SOURCE	III TYPE OF DAMAGE	IV SEVERITY OF DAMAGE	V LOCATION OF LEAK	EVENT NUMBER
#1	<u>    </u> <u>    </u> 14 15	<u>    </u>	<u>    </u>	<u>    </u>	<u>    </u> <u>    </u>	<u>    </u> 21
#2	<u>    </u> <u>    </u> 22 23	<u>    </u>	<u>    </u>	<u>    </u>	<u>    </u> <u>    </u>	<u>    </u> 29
#3	<u>    </u> <u>    </u> 30 31	<u>    </u>	<u>    </u>	<u>    </u>	<u>    </u> <u>    </u>	<u>    </u> 37
#4	<u>    </u> <u>    </u> 38 39	<u>    </u>	<u>    </u>	<u>    </u>	<u>    </u> <u>    </u>	<u>    </u> 45
#5	<u>    </u> <u>    </u> 46 47	<u>    </u>	<u>    </u>	<u>    </u>	<u>    </u> <u>    </u>	<u>    </u> 53

### I LEAKING COMPONENT

#### TANK AREA

- (11) MAIN FUEL TANK (INCLUDING VAPOR RECOVERY DOME)
- (12) AUXILIARY FUEL TANK
- (13) MAIN TANK FILLER TUBE
- (14) MAIN TANK CAP (GAS CAP)
- (15) AUXILIARY TANK FILLER TUBE
- (16) AUXILIARY TANK CAP (GAS CAP)
- (19) TANK AREA, DETAILS UNKNOWN

#### DELIVERY SYSTEM

- (21) FUEL FEED LINE (MAIN TANK TO FUEL PUMP)
- (22) FUEL FEED LINE (AUXILIARY TANK TO FUEL PUMP)
- (23) FUEL RETURN LINE (FUEL PUMP TO TANK)
- (24) INLINE FUEL FILTER
- (25) FUEL LINE (PUMP TO CARBURETOR OR INJECTOR PUMP)
- (26) CARBURETOR TO INJECTOR PUMP
- (27) FUEL PUMP
- (29) DELIVERY SYSTEM, DETAILS UNKNOWN

#### EVAPORATIVE EMISSION CONTROL SYSTEM

- (31) ATMOSPHERIC VENT PIPE (NON-EEC EQUIPPED)
- (32) EEC PIPE (VAPOR CANISTER TO CARBURETOR)

#### EEC SYSTEM (CONTINUED)

- (33) VAPOR RECOVERY HOSES (CANISTER TO CARBURETOR)
- (34) LIQUID-VAPOR SEPARATOR (UNLESS PART OF TANK)
- (35) CANISTER
- (39) EEC SYSTEM, DETAILS UNKNOWN
- (49) ENGINE COMPARTMENT, COMPONENT UNKNOWN
- (99) COMPONENT UNKNOWN

### II COMPONENT SOURCE

- (1) OEM
- (2) AFTER MARKET
- (9) UNKNOWN

### III TYPE OF DAMAGE

- (1) DENTED/CRUSHED
- (2) PUNCTURED
- (3) RUPTURED
- (4) SEVERED/GROSS TEARS
- (5) DISCONNECTED/DEFEATED
- (9) UNKNOWN

### IV SEVERITY OF DAMAGE

- (1) MINOR
- (2) MODERATE
- (3) SEVERE
- (4) DISCONNECTED/DEFEATED
- (9) UNKNOWN

### V LOCATION OF LEAK

#### FIRST DIGIT (LONGITUDINAL LOCATION)

- (1) F, FORWARD OF COWL
- (2) P, BETWEEN COWL & REAR BULKHEAD
- (3) B, BEHIND REAR BULKHEAD
- (4) Y, F, & P
- (5) Z, P, & B
- (6) D, DISTRIBUTED (F, P & B)
- (9) UNKNOWN

#### SECOND DIGIT (LATERAL LOCATION)

- (1) L, LEFT
- (2) C, CENTER
- (3) R, RIGHT
- (4) Y, LEFT CENTER (L & C)
- (5) Z, RIGHT CENTER (R & C)
- (6) D, DISTRIBUTED (F, P & B)
- (9) UNKNOWN

Duplicate columns 1-8  
from the previous card.

Module F R Format 0 1  
9 10 11 12

FIRE FR-1

WAS THERE FIRE IN OR ON CASE VEHICLE?

(0) NO SKIP PAGE.

(1) YES COMPLETE PAGE.

Φ  
13

DID FIRE START IN CASE VEHICLE?

- (0) NO  
(1) YES  
(9) UNKNOWN

      
14

SEVERITY OF FIRE DAMAGE

- (1) MINOR  
(2) MODERATE  
(3) SEVERE  
(9) UNKNOWN

      
16

FLAME PROPOGATION RATE

- (1) RAPID/EXPLOSIVE  
(2) SLOW/MODERATE  
(9) UNKNOWN

      
15

DID AN INJURY TO CASE  
VEHICLE OCCUPANT RESULT FROM  
FIRE IN OR ON CASE VEHICLE?

- (0) NO  
(1) YES  
(9) UNKNOWN

      
17

PROVIDE NOTES IF FIRE OCCURRED.

Duplicate columns 1-8  
from the previous card.Module E D Format 0 1  
9 10 11 12

## EXTERIOR DAMAGE

ED-1

## HOOD PERFORMANCE

FOR THE FOLLOWING, USE CODES:

- (0) NO  
(1) YES  
(8) NOT APPLICABLE  
(9) UNKNOWN

HOOD LATCH(ES)- -RELEASED

-DAMAGED

-JAMMED

HOOD HINGES- -LEFT, DAMAGED

-LEFT, SEPARATED  
(COMPLETE)

-RIGHT, DAMAGED

-RIGHT, SEPARATED  
(COMPLETE)

HOOD REMAINED ON VEHICLE

REAR EDGE OF HOOD- -ELEVATED

-CONTACTED WINDSHIELD

-PENETRATED WINDSHIELD

HOOD LATCH LOCATION

- (1) FRONT OF VEHICLE  
(2) COWL AREA  
(3) SIDE  
(8) NOT APPLICABLE  
(9) UNKNOWN

## STEERING COL FLEXIBLE COUPLING

FLEXIBLE COUPLING TYPE

- (0) NONE  
(1) FLEXIBLE MATERIAL  
(2) POT  
(3) SINGLE U-JOINT  
(4) DOUBLE U-JOINT  
(5) FLEXIBLE CABLE  
(6) COMBINATION OF ABOVE  
(CIRCLE EACH)  
(7) OTHER: \_\_\_\_\_  
(8) EQUIPPED, TYPE UNKNOWN  
(9) UNKNOWN, IF EQUIPPED

COUPLING- -DAMAGED

(USE CODES  
FROM HOOD  
PERFORMANCE)-SEPARATED  
(COMPLETE)

## ENG COMPART TELESCOPING UNIT

TYPE OF UNIT

- (00) NONE INSTALLED  
(01) - (07) SEE UNITS ON PAGE ED-2  
(88) NOT COLLECTED  
(97) OTHER: \_\_\_\_\_  
(98) EQUIPPED, TYPE UNKNOWN  
(99) UNKNOWN IF EQUIPPED

ORIGINAL LENGTH (mm)

F (OR H): \_\_\_\_\_

TELESCOPED LENGTH (mm)

G: \_\_\_\_\_

DIFFERENCE (mm)

F (OR H) - G

(IF LESS THAN 15mm, ENTER "000".)

- (888) NOT COLLECTED  
(991) NOT MEASURED/NO  
COMPRESSION  
(992) COMPRESSED, AMOUNT  
UNKNOWN  
(993) DEVICE EXTENDED  
(997) UNABLE TO BE MEASURED  
(998) NOT APPLICABLE (NOT  
EQUIPPED)  
(999) UNKNOWN

## ENGINE OR TRANSMISSION MOUNT

SEPARATION (COMPLETE)

- (0) NO  
(1) YES  
(9) UNKNOWN

## LEFT-SIDE BODY MOUNT

DID BODY MOUNT SEPARATE?

- (0) NO  
 (1) YES  
 (8) NOT APPLICABLE  
 (9) UNKNOWN

⓪  
 34

## LEFT DOORS

HOW DID DOORS  
OPEN DURING COLLISION?

USE CODES:

(0) DOOR DID NOT OPEN

OPENED BECAUSE OF

- (1) HINGE AREA SEPARATION  
 (2) DOOR-LATCH SEPARATION  
 (3) LATCH-STRIKER SEPARATION  
 (4) STRIKER-PILLAR SEPARATION  
 (5) BODY DISTORTION  
 (6) COMBINATION OF ABOVE  
 (CIRCLE EACH)  
 (7) OPENED, REASON UNKNOWN

- (8) NOT APPLICABLE (NO DOOR)  
 (9) UNKNOWN

## LEFT PILLARS

PILLARS SEPARATED COMPLETELY -

USE CODES:

- (0) NO  
 (1) YES  
 (4) NO SEPARATION, BUT DAMAGED  
 (8) NOT APPLICABLE (NOT EQUIPPED)  
 (9) UNKNOWN

-A-PILLAR, UPPER

⓪  
 35

LOWER

⓪  
 36

-B-PILLAR, UPPER

⓪  
 37

LOWER

⓪  
 38

-C-PILLAR, UPPER

⓪  
 39

LOWER

8  
 40

-D-PILLAR, UPPER

8  
 41

LOWER

8  
 42

-FRONT

⓪  
 43

-REAR

8  
 44

DOORS JAMMED CLOSED-

USE CODES:

- (0) NO  
 (1) YES  
 (8) NOT APPLICABLE (NO DOOR)  
 (9) UNKNOWN

-FRONT

⓪  
 45

-REAR

8  
 46

## EXTERIOR DAMAGE

ED-3

## REAR DOOR

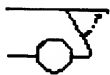
## REAR DOOR TYPE

- (0) NO DOOR (INCLUDES PICKUPS)
- (1) HATCHBACK
- (2) ONE-WAY TAILGATE
- (3) TWO-WAY TAILGATE
- (4) CLAMSHELL/DISAPPEARING TAILGATE
- (5) SINGLE DOOR
- (6) DOUBLE DOOR
- (9) UNKNOWN

Hatchback



One-way



Two-way



or



Clamshell



Single door



Double door

HOW DID DOOR  
OPEN DURING COLLISION?

- (0) DOOR DID NOT OPEN

## OPENED BECAUSE OF

- (1) HINGE AREA SEPARATION
- (2) DOOR-LATCH SEPARATION
- (3) LATCH-STRIKER SEPARATION
- (4) STRIKER-PILLAR SEPARATION
- (5) BODY DISTORTION
- (6) COMBINATION OF ABOVE  
(CIRCLE EACH)
- (7) OPENED, REASON UNKNOWN
- (8) NOT APPLICABLE (NO DOOR)
- (9) UNKNOWN

## DOOR JAMMED CLOSED

- (0) NO
- (1) YES
- (8) NOT APPLICABLE (NO DOOR)
- (9) UNKNOWN

Φ  
47

8  
48

8  
49

## OTHER REAR DAMAGE

WAS PARTITION TO LUGGAGE AREA  
DAMAGED DURING COLLISION?

- (0) NO
- (1) YES
- (8) NOT APPLICABLE
- (9) UNKNOWN

8  
50

## SPARE TIRE

- (0) NO SPARE TIRE
- (1) NOT ATTACHED BEFORE COLLISION
- (2) ATTACHED, NOT SEPARATED IN COLLISION
- (3) ATTACHED, SEPARATED DUE TO COLLISION
- (8) NOT COLLECTED
- (9) UNKNOWN

8  
51

## TRAILER HITCH TYPE

- (0) NO HITCH

## BALL-AND-SOCKET TYPES

- (1) TEMPORARY FRAMEWORK (E.G. RENTAL CLAMP-ON)
- (2) BUMPER-MOUNT ONLY (E.G. LIGHT TRUCK)
- (3) BUMPER-AND-FRAME (BUT NON-EQUALIZING)
- (4) LOAD EQUALIZING

## OTHER TYPES

- (5) RING-AND-PINTLE
- (6) FIFTH-WHEEL (INCL. P/U)
- (7) OTHER (E.G. CLEVIS-AND-PIN)

- (8) EQUIPPED, TYPE UNKNOWN
- (9) UNKNOWN IF EQUIPPED

Φ  
52

TRAILER TYPE  
(AT TIME OF COLLISION)

- (0) NO TRAILER
- (1) TRAVEL-TRAILER/CAMPER
- (2) MOBILE HOME
- (3) BOAT/SNOWMOBILE/ATV TRAILER
- (4) UTILITY TRAILER
- (5) TOWED CAR
- (7) OTHER: \_\_\_\_\_
- (8) TRAILER, TYPE UNKNOWN
- (9) UNKNOWN

Φ  
53

## RIGHT-SIDE BODY MOUNT

DID BODY MOUNT SEPARATE?

- (0) NO  
 (1) YES  
 (8) NOT APPLICABLE  
 (9) UNKNOWN

①  
 54

## RIGHT DOORS

HOW DID DOORS  
OPEN DURING COLLISION?

USE CODES:

(00) DOOR DID NOT OPEN

OPENED BECAUSE OF

- (01) HINGE AREA SEPARATION  
 (02) DOOR-LATCH SEPARATION  
 (03) LATCH-STRIKER SEPARATION  
 (04) STRIKER-PILLAR SEPARATION  
 (05) BODY DISTORTION  
 (06) COMBINATION OF ABOVE  
 (CIRCLE EACH)  
 (07) OPENED, REASON UNKNOWN  
 (11) VAN RIGHT-REAR DOOR OPENED  
 (ANY MECHANISM)

- (98) NOT APPLICABLE (NO DOOR)  
 (99) UNKNOWN

## RIGHT PILLARS

PILLARS SEPARATED COMPLETELY -

USE CODES:

- (0) NO  
 (1) YES  
 (4) NO SEPARATION, BUT DAMAGED  
 (8) NOT APPLICABLE (NOT EQUIPPED)  
 (9) UNKNOWN

-A-PILLAR, UPPER

①  
 55

LOWER

①  
 56

-B-PILLAR, UPPER

①  
 57

LOWER

①  
 58

-C-PILLAR, UPPER

①  
 59

LOWER

8  
 60

-D-PILLAR, UPPER

8  
 61

LOWER

8  
 62

-FRONT

①①  
 63 64

-REAR

98  
 65 66

## DOORS JAMMED CLOSED-

USE CODES:

- (0) NO  
 (1) YES  
 (8) NOT APPLICABLE (NO DOOR)  
 (9) UNKNOWN

-FRONT

①  
 67

-REAR

8  
 68

## VAN REAR DOOR TYPE

- (0) VAN, NO REAR DOOR  
 (1) TRACK (SLIDING) - RIGHT SIDE  
 (2) SINGLE-HINGED - RIGHT SIDE  
 (3) DOUBLE-HINGED - RIGHT SIDE  
 (4) TRACK (SLIDING) - RIGHT & LEFT SIDE  
 (5) SINGLE-HINGED - RIGHT & LEFT SIDE  
 (6) DOUBLE-HINGED - RIGHT & LEFT SIDE  
 (7) TRACK AND HINGED COMBINATION  
 (8) NOT APPLICABLE (NOT A VAN)  
 (9) UNKNOWN

8  
 69



## EXTERIOR DAMAGE

ED-5

## WINDSHIELD DAMAGE

## WINDSHIELD CRACKED

- (0) NO  
 (1) YES  
 (8) NOT APPLICABLE  
 (9) UNKNOWN

WINDSHIELD BROKEN  
(PLASTIC INTERLAYER TORN)

- (0) NO  
 (1) YES  
 (8) NOT APPLICABLE  
 (9) UNKNOWN

CRACKED OR BROKEN  
BY OCCUPANT CONTACT

- (0) NO  
 (1) YES  
 (8) NOT APPLICABLE  
 (9) UNKNOWN

## EXTENT OF BOND SEPARATION

- (0) NONE  
 (1) 1 - 20%  
 (2) 21 - 40  
 (3) 41 - 60  
 (4) 61 - 80  
 (5) 81 - 99  
 (6) TOTAL  
 (7) SEPARATED, AMOUNT  
 UNKNOWN  
 (8) NOT APPLICABLE  
 (9) UNKNOWN

## WINDSHIELD MARK ON CASE VEHICLE:

## WINDSHIELD CODE

- (97) DESCRIBED BUT NOT CODED  
 (98) NOT APPLICABLE (NO WINDSHIELD)  
 (99) UNKNOWN

99  
 74 75

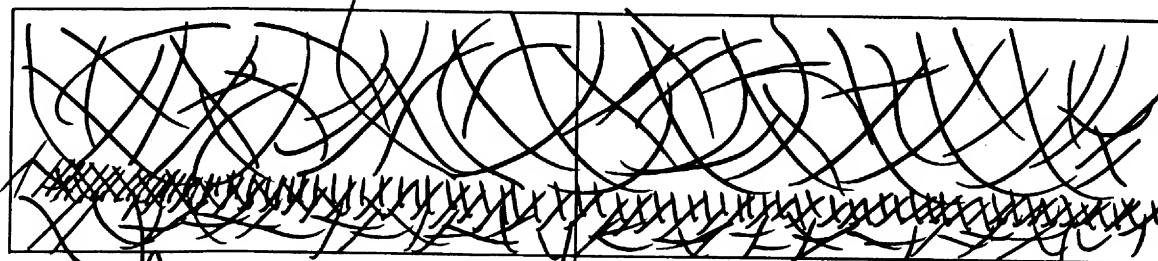
## Roof

DID T-ROOF/SUN ROOF OPEN  
DURING COLLISION?

- (0) NO  
 (1) YES  
 (8) NOT APPLICABLE  
 (NOT A T-ROOF OR SUN ROOF)  
 (9) UNKNOWN

8  
 76

LOCATE AREA OF WINDSHIELD INTEREST OR DAMAGE WITH DIMENSIONS (VERTICAL & HORIZONTAL) ON THIS DIAGRAM OF THE WINDSHIELD AS VIEWED FROM INSIDE.



68  
 L

unk  
 C

68  
 R

## STEERING WHEEL

### STEERING WHEEL RIM DAMAGE

- (0) NONE
- (1) DEFORMED SLIGHTLY
- (2) SEVERELY BENT
- (3) BROKEN
- (9) UNKNOWN

### NUMBER OF STEERING WHEEL SPOKES

- (9) UNKNOWN

### STEERING WHL SPOKE DAMAGE

- (0) NONE
- (1) DEFORMED SLIGHTLY
- (2) SEVERELY BENT
- (3) BROKEN
- (9) UNKNOWN



13

4

14



15

### STEERING WHEEL POSITION AT TIME OF COLLISION

IN WHAT O'CLOCK POSITION WAS THE  
NORMAL TOP OF THE WHEEL POINTED  
WHEN THE COLLISION OCCURRED?

#### EXAMPLES

O'CLOCK = 1 2



(NORMAL STRAIGHT  
AHEAD)

O'CLOCK = 9 2



O'CLOCK = 99

(99) UNKNOWN

## STEERING WHEEL ENERGY ABSORBING DEVICE

(1) EXAMPLES:



BARRACUDA, 70 - 74  
CHALLENGER, 70 - 74  
CAPRI, 71 - 77

(2) EXAMPLES:



OMNI, 78 -  
HORIZON, 78 -

## STEERING COLUMN OPTIONS

### TILT FEATURE

- (0) NOT EQUIPPED
- (1) YES, EQUIPPED, UNK POSITION
- (2) UP
- (3) MIDDLE
- (4) LOWER
- (9) UNKNOWN IF EQUIPPED

1

16

### SWING-AWAY FEATURE

- (0) NOT EQUIPPED
- (1) YES, EQUIPPED
- (9) UNKNOWN IF EQUIPPED



17

### TELESCOPING FEATURE

- (0) NOT EQUIPPED
- (1) YES, EQUIPPED
- (9) UNKNOWN IF EQUIPPED



18

### TYPE OF DEVICE

- (0) NONE
- (1) CONVOLUTED OR MESH CYLINDER
- (2) DEEP DISH STEERING WHEEL
- (7) OTHER: \_\_\_\_\_
- (8) NOT COLLECTED
- (9) UNKNOWN IF EQUIPPED

### ORIGINAL DIMENSION (mm)

A: \_\_\_\_\_

### DAMAGE DIMENSION (mm)

B: \_\_\_\_\_

### DIFFERENCE (mm)

A - B

- (888) NOT COLLECTED
- (991) NOT MEASURED/NO APPARENT  
COMPRESSION
- (992) COMPRESSED, AMOUNT UNKNOWN
- (993) DEVICE EXTENDED
- (997) UNABLE TO MEASURE
- (998) NOT APPLICABLE (NOT EQUIPPED)
- (999) UNKNOWN

8  
19

8 8 8  
20 22

# STEERING WHEEL AND COLUMN SC-2

## STEERING COLUMN ENERGY ABSORBING DEVICE

TYPE OF DEVICE \* (IF 27 OR 28)

- (00) NOT EQUIPPED
- (88) NOT COLLECTED
- (99) UNKNOWN

ORIGINAL LENGTH (mm)

C: \_\_\_\_\_

COMPRESSED LENGTH (mm)

D: \_\_\_\_\_

BRACKET DEFLECTION (IF CODE 36, 48,  
OR 49 ABOVE)

OR

COMPRESSION (OR EXTRUSION) (mm)

C - D (OR E) (TOLERANCE  $\pm 10$ )

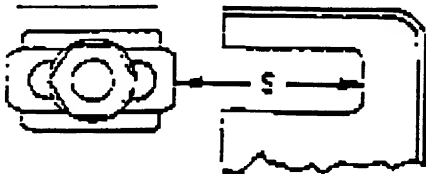
- (888) NOT COLLECTED
- (991) NOT MEASURED/NO APPARENT  
COMPRESSION
- (992) COMPRESSED, AMOUNT UNKNOWN
- (993) DEVICE EXTENDED
- (997) UNABLE TO BE MEASURED
- (998) NOT APPLICABLE (NOT EQUIPPED)
- (999) UNKNOWN

\* (ADD A & B FOR TOTAL COMPRESSION)

SHEAR CAPSULE SEPARATION (mm)

S (USE AVG. OF LEFT & RIGHT CAPSULES.)

LT:



RT:

- (888) NOT COLLECTED
- (991) NOT MEASURED/NO APPARENT  
SEPARATION
- (992) SEPARATED, AMOUNT UNKNOWN
- (997) UNABLE TO BE MEASURED
- (998) NOT APPLICABLE (NOT EQUIPPED)
- (999) UNKNOWN

COLUMN VERTICAL ROTATION

- (0) NO APPARENT ROTATION
- (1) UPWARD APPARENT ROTATION
- (2) DOWNWARD APPARENT ROTATION
- (9) UNKNOWN

COLUMN LATERAL ROTATION

- (0) NO APPARENT ROTATION
- (1) LEFT APPARENT ROTATION
- (2) RIGHT APPARENT ROTATION
- (9) UNKNOWN

## STEERING WHEEL (CONTINUED)

STEERING WHEEL HUB DAMAGE

- (0) NONE
- (1) OCCUPANT CONTACT
- (2) AIRBAG
- (3) OTHER \_\_\_\_\_
- (9) UNKNOWN

Φ  
33

8 8  
23 24

8 8 8  
25 27

8 8 8  
28 30

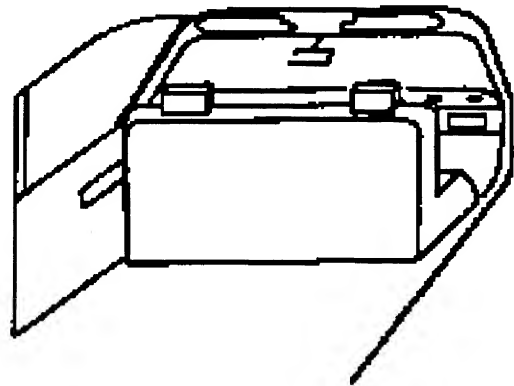
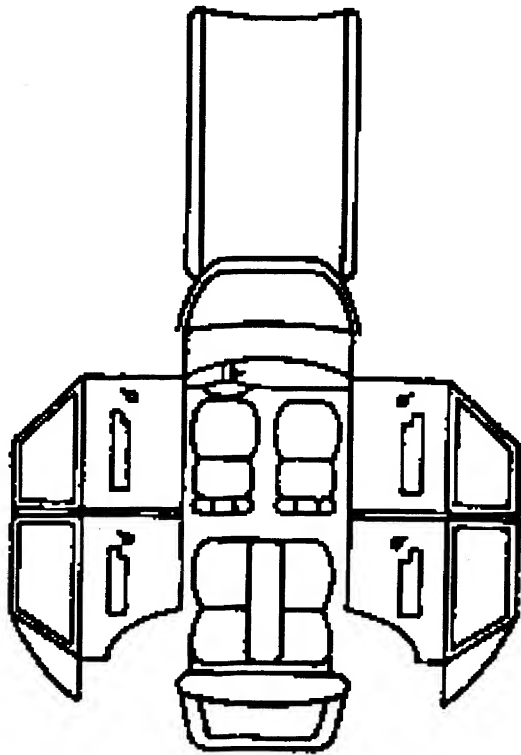
Φ  
31

1  
32

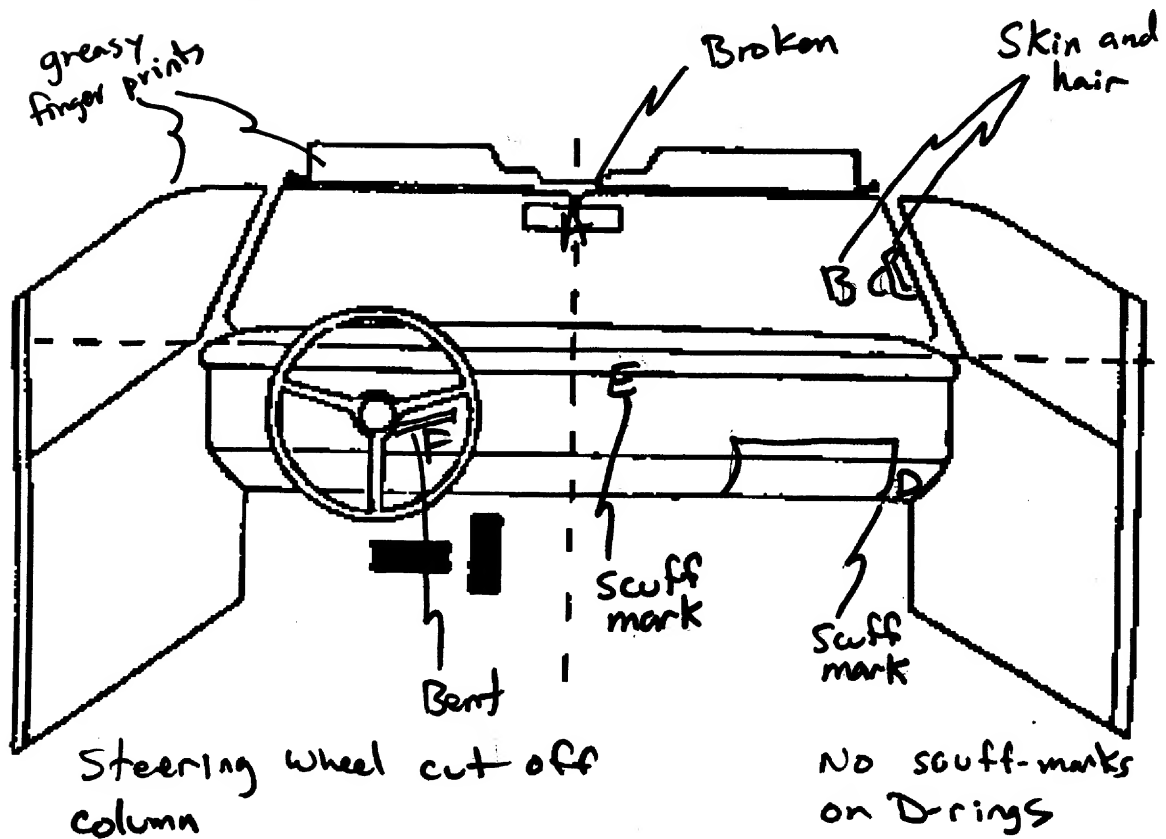




## VEHICLE OCCUPANT CONTACT DIAGRAM



Chewed food  
Spattered over  
front of vehicle



## CODES FOR COLUMN B, OCCUPANT SPACE NUMBER

OCCUPANT SPACE NUMBER IS A TWO-DIGIT CODE. THE USE OF THE CODE IS DETERMINED BY THE VEHICLE SEAT CONFIGURATION AT THE TIME OF THE ACCIDENT.

## FIRST DIGIT

THE FIRST DIGIT (LEFT DIGIT) DENOTES THE SEAT ROW, WITH CODE VALUES FROM 1 TO 5.

## SECOND DIGIT

THE SECOND DIGIT (RIGHT DIGIT) DENOTES THE POSITION ON THE SEAT AND, IN SOME INSTANCES, THE WIDTH OF THE SEAT.

- (1) LEFT (3) RIGHT ..... INDIVIDUAL SEAT
- (1) LEFT (2) CENTER (3) RIGHT ..... BENCH: FULL WIDTH 3 PASSENGER
- (1) LEFT (2) LEFT CENTER (6) RIGHT CENTER (3) RIGHT ..... BENCH: FULL WIDTH 4 PASSENGER
- (1) LEFT (2) CENTER (5) RIGHT & ..... BENCH: PARTIAL WIDTH, LEFT AISLE SPACE
- (0) LEFT & SPACE (2) CENTER (5) RIGHT & ..... BENCH: PARTIAL WIDTH, CENTERED SPACE
- (4) ENTIRE VEHICLE WIDTH ..... CARGO AREA

## EXAMPLES

THE TWO FIGURES BELOW PROVIDE EXAMPLES OF THE OCCUPANT SPACE NUMBER.

PASSENGER CAR  
5 PASSENGERS

X	X	11	13
X	X	X	21 22 23

VAN  
12 PASSENGER CAPACITY

X	X	11	13
X	X	X	21 22 25
X	X	X	31 32 35
X	X	X	X 41 42 46 43

## CODES FOR COLUMN F, MEASUREMENT AXIS

- (X) X-AXIS (FORE & AFT)  
(Y) Y-AXIS (LATERAL)  
(Z) Z-AXIS (VERTICAL)

## CODES FOR COLUMNS G, H, I &amp; J, OCCUPANT &amp; INJURY NUMBERS

OCCUPANT NUMBER	INJURY NUMBER	CONTACT
(00)	(00)	NO CONTACT
(##)	(00)	CONTACT, NO INJURY
(97)	(99)	CONTACT, OCCUPANT UNKNOWN, INJURY UNKNOWN
(99)	(00) OR (99)	UNKNOWN IF CONTACT





## CODES FOR COLUMN C, INTRUDING COMPONENT OR OBJECT

NOTE: DO NOT CODE OBJECTS OTHER THAN COMPONENTS OF CASE VEHICLE.

## INDIVIDUAL COMPONENT

## INTERNAL

- (01) INSTRUMENT PANEL
- (02) FIRE WALL
- (03) TOE PAN
- (04) FLOOR PAN
- (05) STEERING COLUMN
- (06) WINDSHIELD
- (07) WINDSHIELD HEADER
- (08) A-PILLAR
- (09) DOOR PANEL OR SIDE PANEL
- (10) WINDOW FRAME
- (11) B-PILLAR
- (12) C-PILLAR
- (13) D-PILLAR
- (14) ROOF SIDE RAILS
- (15) ROOF OR CONVERTIBLE TOP
- (16) BACKLIGHT HEADER
- (17) FRONT SEAT-BACK SURFACE/  
SEAT-BACK BACK SURFACE
- (18) SECOND SEAT-BACK SURFACE  
SEAT-BACK BACK SURFACE
- (19) THIRD SEAT-BACK SURFACE  
SEAT-BACK BACK SURFACE
- (20) FOURTH SEAT-BACK SURFACE  
SEAT-BACK BACK SURFACE
- (21) FIFTH SEAT-BACK SURFACE  
SEAT-BACK BACK SURFACE
- (22) BACK PANEL/BACK DOOR SURFACE
- (23) SEAT CUSHION SURFACE/EDGE
- (24) CONSOLE
- (25) OTHER (*DESCRIBE*)
- (26) UNKNOWN INTERNAL SURFACES
- (28) TRANSMISSION TUNNEL (HUMP)
- (29) SIDE FOOTWELL PANEL (KICKPANEL)
- (30) SILL

## EXTERNAL

- (43) HOOD
- (44) OBJECT EXTERNAL TO PASSENGER  
COMPARTMENT BUT PART  
OF CASE VEHICLE
- (45) OUTSIDE SURFACE OF CASE VEHICLE
- (46) OTHER (*E.G. SPARE TIRE,  
JACK. DESCRIBE.*)
- (49) UNKNOWN EXTERNAL OBJECT

## GROUPED FOR MASSIVE INTRUSION INTO AN OCCUPANT SPACE

USE ONLY IF ALL THESE COMPONENTS  
INTRUDED INTO A SINGLE OCCUPANT SPACE.

- |                        |                         |
|------------------------|-------------------------|
| (50) WINDSHIELD HEADER | (60) ROOF               |
| A-PILLAR               | ROOF RAIL               |
| ROOF SIDE RAIL         | A-PILLAR                |
| (51) INSTRUMENT PANEL  | B-PILLAR                |
| A-PILLAR               | C-PILLAR                |
| DOOR PANEL             | WINDOW FRAME            |
| (52) INSTRUMENT PANEL  | DOOR PANEL              |
| A-PILLAR               | FLOOR PAN               |
| WINDSHIELD HEADER      | (61) INSTRUMENT PANEL   |
| (53) DOOR PANEL        | TOE PAN                 |
| B-PILLAR               | WINDSHIELD HEADER       |
| ROOF RAIL              | A-PILLAR                |
| (54) DOOR PANEL        | ROOF RAIL               |
| A-PILLAR               | WINDOW FRAME            |
| ROOF RAIL              | DOOR PANEL              |
| (55) INSTRUMENT PANEL  | ROOF                    |
| FLOOR PAN              | (62) ROOF               |
| A-PILLAR               | ROOF RAIL               |
| DOOR FRAME             | C-PILLAR                |
| (56) ROOF RAIL         | WINDOW FRAME            |
| A-PILLAR               | FLOOR PAN               |
| B-PILLAR               | SECOND SEAT             |
| WINDOW FRAME           | DOOR PANEL              |
| (57) ROOF RAIL         | (63) ROOF RAIL          |
| A-PILLAR               | ROOF                    |
| B-PILLAR               | B-PILLAR                |
| C-PILLAR               | WINDOW FRAME            |
| DOOR PANEL             | FLOOR PAN               |
| (58) ROOF              | DOOR PANEL              |
| ROOF RAIL              | SECOND SEAT             |
| WINDOW FRAME           | FRONT SEAT              |
| DOOR PANEL             | (64) ROOF RAIL          |
| (59) BACKLIGHT HEADER  | ROOF OR CONVERTIBLE TOP |
| ROOF                   | A-PILLAR                |
| C-PILLAR               | B-PILLAR                |
| THIRD SEAT-BACK        | WINDOW FRAME            |
|                        | WINDOW HEADER           |
|                        | (65) WINDSHIELD         |
|                        | WINDSHIELD HEADER       |
|                        | ROOF SIDE RAIL          |
|                        | (66) WINDSHIELD         |
|                        | WINDSHIELD HEADER       |
|                        | A-PILLAR                |
|                        | (98) NOT APPLICABLE     |
|                        | (99) UNKNOWN            |

Duplicate columns 1-8  
from the previous card.

Module 1 1 Format 0 1  
9 10 11 12

INTRUSION IT-5

WAS THERE OCCUPANT COMPARTMENT INTRUSION? 1

13

WAS INTRUSION CATASTROPHIC? 0

14

- (0) NO DO NOT ANSWER NEXT QUESTION. SKIP PAGE.  
(1) YES ANSWER NEXT QUESTION.  
(9) UNKNOWN SKIP PAGE.

- (0) NO COMPLETE PAGE.  
(1) YES SKIP PAGE.

Duplicate columns 1-8  
from the previous card.

Module 1 1 Format 0 2  
9 10 11 12

NOTE: Each line in the table below is a separate record (card). Duplicate columns 1 - 12 for each completed line.

**INTRUSIONS** CODE INTRUSIONS IN THIS ORDER: LEFT TO RIGHT ON ROW; FRONT TO BACK IN VEHICLES.  
CODES FOR B, F, G, H, I, J ON PAGE IT-3  
CODES FOR C ON PAGE IT-4

OCCUPANT CONTACT AND INJURY

A	B	C	D	E	F	G	H	I	J	K
INTRUSION NUMBER	OCC. SPACE NO.	INTRUDING COMPONENT OR OBJECT	ASSOC. EVENT NO.	MAXIMUM INTRUSION X AXIS (cm)	MAXIMUM INTRUSION Y AXIS (cm)	MAXIMUM INTRUSION Z AXIS (cm)	OCCUPANT NUMBER	INJURY NUMBER	OCCUPANT NUMBER	INJURY NUMBER
13-14	15-16	17-18	19	20-21	22-23	24-25	26-27	28-29	30-31	32-33
0 1	11	01	1	19	00	00	00	00	00	00
0 2	12	01	1	23	00	00	00	00	00	00
0 3	13	01	1	08	00	00	02	05	02	06
0 4	---	---	---	---	---	---	---	---	---	---
0 5	---	---	---	---	---	---	---	---	---	---
0 6	---	---	---	---	---	---	---	---	---	---
0 7	---	---	---	---	---	---	---	---	---	---

NOTE: USE ADDITIONAL PAGE IF MORE THAN 7 INTRUSIONS.

Duplicate columns 1-8  
from the previous card.

Module 1 1 Format 0 3  
9 10 11 12

NOTE: IF NO SIDE DOOR INTRUSION,  
SKIP REMAINDER OF PAGE.

**SIDE DOOR INTRUSION  
RESULTED FROM**

INTRUSION  
NUMBER CAUSE

CODES  
FOR CAUSE:

- 13 15 (1) DIRECT  
16 18 (2) INDUCED  
19 21 (9) UNKNOWN

**IF DAMAGE TO DOOR COMPONENT RESULTED IN INCREASED  
DOOR INTRUSION, CODE COMPONENT**

INTRUSION  
NUMBER

DAMAGED  
COMPONENT 1

DAMAGED  
COMPONENT 2

CODES  
FOR COMPONENTS

A 22 23

B 26 27

C 30 31

D 34 35

25

29

33

37

- (0) NONE  
(1) A-PILLAR  
(2) B-PILLAR  
(3) C-PILLAR  
(4) LATCH/STRIKER  
(5) HINGES  
(7) OTHER: \_\_\_\_\_  
(8) NOT APPLICABLE  
(9) UNKNOWN

Duplicate columns 1-8  
from the previous card.

Module  $\frac{1}{9}$   $\frac{T}{10}$  Format  $\frac{0}{11}$   $\frac{2}{12}$

INTRUSION IT-6

NOTE: Each line in the table below is a separate record (card).  
Duplicate columns 1 - 12 for each completed line.

-- ADDITIONAL PAGE --

**INTRUSIONS** CODE INTRUSIONS IN THIS ORDER: LEFT TO RIGHT ON ROW; FRONT TO BACK IN VEHICLES.  
CODES FOR B, F, G, H, I, J ON PAGE IT-3  
CODES FOR C ON PAGE IT-4

OCCUPANT CONTACT AND INJURY

A	B	C	D	E	F	G	H	I	J	K
INTRUSION NUMBER	OCC. SPACE NO.	INTRUDING COMPONENT OR OBJECT	ASSOC. EVENT NO.	MAXIMUM INTRUSION X AXIS (cm)	MAXIMUM INTRUSION Y AXIS (cm)	MAXIMUM INTRUSION Z AXIS (cm)	OCCUPANT NUMBER	INJURY NUMBER	OCCUPANT NUMBER	INJURY NUMBER
13-14	15-16	17-18	19	20-21	22-23	24-25	26-27	28-29	30-31	32-33
0 8	---	---	---	---	---	---	---	---	---	---
0 9	---	---	---	---	---	---	---	---	---	---
1 0	---	---	---	---	---	---	---	---	---	---
1 1	---	---	---	---	---	---	---	---	---	---
1 2	---	---	---	---	---	---	---	---	---	---
1 3	---	---	---	---	---	---	---	---	---	---
1 4	---	---	---	---	---	---	---	---	---	---
1 5	---	---	---	---	---	---	---	---	---	---
1 6	---	---	---	---	---	---	---	---	---	---
1 7	---	---	---	---	---	---	---	---	---	---
1 8	---	---	---	---	---	---	---	---	---	---
1 9	---	---	---	---	---	---	---	---	---	---
2 0	---	---	---	---	---	---	---	---	---	---
2 1	---	---	---	---	---	---	---	---	---	---
2 2	---	---	---	---	---	---	---	---	---	---
2 3	---	---	---	---	---	---	---	---	---	---
2 4	---	---	---	---	---	---	---	---	---	---
2 5	---	---	---	---	---	---	---	---	---	---

**ID-1**

(4) YES, and OCCUPANT CONTACT  
(8) NOT APPLICABLE  
(9) UNKNOWN

39

Duplicate columns 1-8  
from the previous card.Module S I Format 0 2  
9 10 11 12

## SEATS

ST-1

FRONT SEAT	DRIVER	PASSENGER	FRONT SEAT-BACK	DRIVER	PASSENGER
<b>TYPE OF FRONT SEAT</b> (00) NO SEAT (01) STANDARD BENCH (02) SPLIT BACK, 50-50 (03) SPLIT BACK, DRIVER WIDE (04) SPLIT BACK, PASS. WIDE (05) BUCKET (06) CAPTAIN'S CHAIR (07) INDIV. BENCH, 50-50 (08) INDIV. BENCH, DRIVER WIDE (09) INDIV. BENCH, PASS. WIDE (97) OTHER: _____ (99) UNKNOWN	05 13 14	05 15 16	<b>SEAT-BACK TYPE</b> (1) FORWARD FOLDING (2) RIGID (3) RECLINING (7) OTHER: _____ (8) NOT APPLICABLE (9) UNKNOWN	3 30	3 31
<b>TYPE OF SEAT MOUNT</b> (1) STANDARD (2) PEDESTAL (7) OTHER: _____ (8) NOT APPLICABLE (9) UNKNOWN	1 17	1 18	<b>SEAT-BACK LOCK TYPE</b> (0) NONE (1) MANUAL (2) INERTIA (3) POWER (7) OTHER: _____ (8) NOT APPLICABLE (9) UNKNOWN	1 32	1 33
<b>SWIVEL MECHANISM EQUIPPED</b> (0) NO (1) YES (8) NOT APPLICABLE (9) UNKNOWN	0 19	0 20	<b>LOCKS HELD</b> (0) NO (1) YES (8) NOT APPLICABLE (9) UNKNOWN	1 34	1 35
<b>ORIGINAL EQUIPMENT SEATS</b> (0) NO (1) YES (8) NOT APPLICABLE (9) UNKNOWN	1 21	1 22	<b>RECLINER MECHANISM HELD</b> (0) NO (1) YES (8) NOT APPLICABLE (9) UNKNOWN	1 36	1 37
<b>CONTACT OF SEAT BY REAR OCCUPANT</b> (0) NO (1) YES (8) NOT APPLICABLE (9) UNKNOWN	8 23	8 24	<b>HEAD RESTRAINT</b> <b>HEAD RESTRAINT TYPE</b> (0) NONE (1) ADJUSTABLE (2) INTEGRAL (3) NOT INTEGRAL, BUT CANNOT BE REMOVED (7) OTHER: _____ (8) NOT APPLICABLE (9) UNKNOWN	2 38	2 39
<b>FRONT SEAT DAMAGE</b> (0) NONE (1) BACKREST ONLY DAMAGED (2) CUSHION ONLY DAMAGED (3) BACKREST & CUSHION DAMAGED (8) NOT APPLICABLE (9) UNKNOWN	0 25	0 26	<b>REMOVED PRE-CRASH</b> (0) NO (1) YES (8) NOT APPLICABLE (9) UNKNOWN	8 40	8 41
<b>CENTER ARMREST DAMAGED</b> (0) NO (1) YES (7) EQUIPPED, DAMAGE UNKNOWN (8) NOT APPLICABLE (NO CENTER ARMREST) (9) UNKNOWN IF EQUIPPED	0 27		<b>ADJUSTMENT AT CRASH</b> (1) UP (2) DOWN (8) NOT APPLICABLE (9) UNKNOWN	8 42	8 43
<b>FRONT SEAT ROTATION</b> (0) NONE APPARENT (1) FORWARD APPARENT (2) REARWARD APPARENT (3) LEFT APPARENT (4) RIGHT APPARENT (5) MULTIPLE ROTATIONS SPECIFY _____ (8) NOT APPLICABLE (9) UNKNOWN	0 28	0 29	<b>HEAD RESTRAINT DAMAGE</b> (0) NONE (1) DAMAGED BUT NOT SEPARATED (2) SEPARATED (8) NOT APPLICABLE (9) UNKNOWN	0 44	0 45

SEATS ST-2						
<b>FRONT SEAT ADJUSTMENT</b> <b>SEAT ADJUSTMENT TYPE</b> (0) NONE (RIGID) (1) MANUAL (2) POWER (7) OTHER: _____ (8) NOT APPLICABLE (NO SEAT) (9) UNKNOWN  <b>ADJUSTMENT PROVIDED</b> (1) 2-WAY (2) 4-WAY (3) 6-WAY (7) OTHER: _____ (8) NOT APPLICABLE (9) UNKNOWN  <b>SEAT ADJUSTER DAMAGE</b> (0) NONE (1) CHUCKING (FREE PLAY) (2) DEFORMED (RELEASED/JAMMED) (3) SEPARATED (7) OTHER: _____ (8) NOT APPLICABLE (9) UNKNOWN  <b>SEAT ADJUSTER SEPARATION</b> (0) NONE (1) SEPARATED AT FLOOR (2) SEPARATION OF ADJUSTER (3) SEPARATED AT SEAT (8) NOT APPLICABLE (9) UNKNOWN  <b>PRE-CRASH POSITION</b> (1) FORWARD (2) MIDDLE (3) REARWARD (8) NOT APPLICABLE (9) UNKNOWN	DRIVER  1 46	PASSENGER  L 47	<b>SECOND SEAT (CONT.)</b>  <b>CENTER ARMREST DAMAGED</b> (0) NO (1) YES (7) EQUIPPED, DAMAGE UNKNOWN (8) NOT APPLICABLE (NO CENTER ARMREST) (9) UNKNOWN IF EQUIPPED	8 60		
		1 48	1 49	<b>SECOND SEAT-BACK</b>  <b>LOCKS</b>  <b>FOR THE FOLLOWING, USE:</b> (0) NO (1) YES (8) NOT APPLICABLE (9) UNKNOWN  LEFT OR CENTER, EQUIPPED  LEFT OR CENTER, HELD (3) SEAT FOLDED DOWN RIGHT, EQUIPPED  RIGHT, HELD (3) SEAT FOLDED DOWN	LEFT  8 61 8 63 8 65 8 67	RIGHT  8 62 8 64 8 66 8 68
		0 50	0 51			
		8 52	8 53			
<b>SECOND SEAT</b> <b>TYPE OF SECOND SEAT</b> (0) NONE (1) NON-FOLDING (2) FOLDING (3) CAPTAIN'S CHAIR (4) JUMP SEAT (5) INTEGRAL CHILD SEAT (6) LUGGAGE AREA ACCESS PANEL (9) UNKNOWN  <b>SECOND SEAT DAMAGE</b> (0) NONE (1) BACKREST ONLY (DAMAGED OR LOOSENED) (2) CUSHION ONLY (DAMAGED OR LOOSENED) (3) BACKREST & CUSHION (DAMAGED OR LOOSENED) (4) INTEGRAL CHILD SEAT (PRIORITY CODE) (5) LUGGAGE AREA ACCESS PANEL (DAMAGED OR LOOSENED) (8) NOT APPLICABLE (9) UNKNOWN	LEFT  2 56	RIGHT  2 57	<b>THIRD SEAT</b>  EQUIPPED  BACKREST DAMAGED  CUSHION DAMAGED	0 69	0 70	
				8 71	8 72	
				8 73	8 74	
	0 58	0 59	<b>VEHICLE EQUIPPED WITH REAR HEAD RESTRAINTS</b>  (0) NOT EQUIPPED (OR REMOVED) (1) EQUIPPED (2) EQUIPPED & DAMAGED (8) NOT APPLICABLE (NO REAR SEAT) (9) UNKNOWN  <i>Applies to any rear-seat position</i>	0 75		

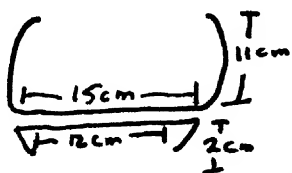
Duplicate columns 1-8  
from the previous card.

Module A B Format 0 1  
9 10 11 12

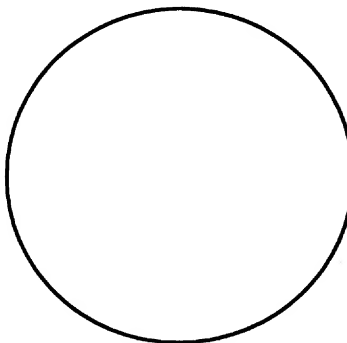
AIRBAG AB-1

<p>DRIVER SIDE</p> <p>LOCATION OF AIRBAG STEERING WHEEL</p> <p>EQUIPPED</p> <p>(0) NO (1) YES (4) PRIOR DEPLOYMENT NOT REINSTALLED (9) UNKNOWN IF AIRBAG EQUIPPED</p> <p>DEPLOYED</p> <p>(0) NO (1) YES (2) PARTIAL/IMPROPER DEPLOYMENT (8) NOT APPLICABLE (NO AIRBAG) (9) UNKNOWN</p>	<p><u>1</u> 13</p> <p><u>1</u> 14</p>	<p>PASSENGER SIDE</p> <p>LOCATION OF AIRBAG INSTRUMENT PANEL (GLOVE BOX)</p> <p>EQUIPPED</p> <p>(0) NO (1) YES (4) PRIOR DEPLOYMENT NOT REINSTALLED (9) UNKNOWN IF AIRBAG EQUIPPED</p> <p>DEPLOYED</p> <p>(0) NO (1) YES (2) PARTIAL/IMPROPER DEPLOYMENT (8) NOT APPLICABLE (NO AIRBAG) (9) UNKNOWN</p>	<p><u>1</u> 16</p> <p><u>1</u> 17</p>
<p>CONDITION OF AIRBAG STEERING WHEEL</p> <p>(0) NO DAMAGE (2) SPLIT OR TORN (3) CUT DURING CRASH (4) BURNED/MELTED (5) CUT POST CRASH (6) OTHER _____ (7) DAMAGED, CONDITION UNKNOWN (8) NOT APPLICABLE (NOT EQUIPPED/NOT DEPLOYED) (9) UNKNOWN IF EQUIPPED OR CONDITION</p>	<p><u>0</u> 15</p>	<p>CONDITION OF AIRBAG INSTRUMENT PANEL (GLOVE BOX)</p> <p>(0) NO DAMAGE (2) SPLIT OR TORN (3) CUT DURING CRASH (4) BURNED/MELTED (5) CUT POST CRASH (6) OTHER _____ (7) DAMAGED, CONDITION UNKNOWN (8) NOT APPLICABLE (NOT EQUIPPED/NOT DEPLOYED) (9) UNKNOWN IF EQUIPPED OR CONDITION</p>	<p><u>0</u> 18</p>
<p>DRIVER SIDE</p> <p>AIRBAG STEERING WHEEL</p> <p>TETHER</p> <p>(0) NO (1) YES (6) OTHER _____ (7) UNKNOWN IF TETHERED (8) NOT APPLICABLE (NO AIRBAG) (9) UNKNOWN IF AIRBAG EQUIPPED</p> <p>2-straps</p> <p>MARKED BY CONTACT</p> <p>(0) NO (1) YES (8) NOT APPLICABLE (NO AIRBAG) (9) UNKNOWN</p>	<p><u>1</u> 19</p> <p><u>0</u> 20</p>	<p>PASSENGER SIDE</p> <p>AIRBAG INSTRUMENT PANEL (GLOVE BOX)</p> <p>TETHER</p> <p>(0) NO (1) YES (6) OTHER _____ (7) UNKNOWN IF TETHERED (8) NOT APPLICABLE (NO AIRBAG) (9) UNKNOWN IF AIRBAG EQUIPPED</p> <p>MARKED BY CONTACT</p> <p>(0) NO (1) YES (8) NOT APPLICABLE (NO AIRBAG) (9) UNKNOWN</p>	<p><u>0</u> 21</p> <p><u>0</u> 22</p>

AIRBAG NUMBER ON DRIVER SIDE:

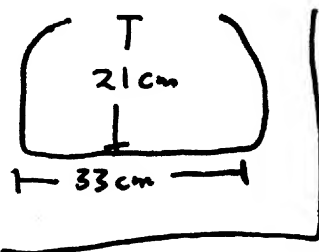


NOTE AND DESCRIBE ANY AIRBAG CONTACT OR DAMAGE ON DIAGRAM BELOW:

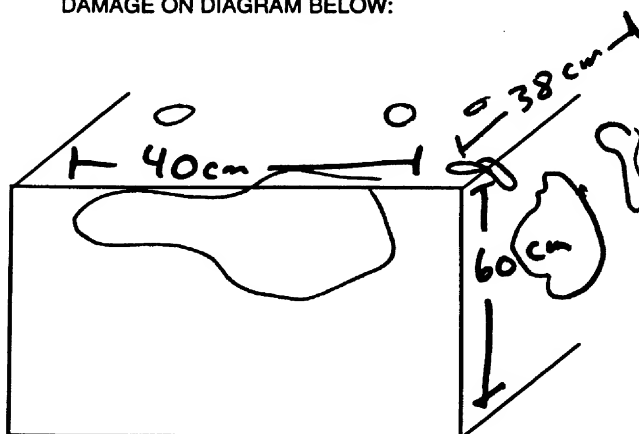


Bag cut out of steering-wheel

AIRBAG NUMBER ON PASSENGER SIDE:



NOTE AND DESCRIBE ANY AIRBAG CONTACT OR DAMAGE ON DIAGRAM BELOW:



Blood on top, front and sides of bag



NOTE TO THE INVESTIGATOR:

THE FOLLOWING TWO SECTIONS,  
OCCUPANT INFORMATION AND INJURY CLASSIFICATION,  
ARE TO BE FILLED IN  
FOR EACH CASE VEHICLE OCCUPANT,  
WHETHER INJURED OR NOT.

IF THERE IS MORE THAN ONE OCCUPANT,  
USE ADDITIONAL COPIES  
OF PAGES OC-1, OC-2, OC-3,  
AND IC-2 TO DESCRIBE THEM  
AND ATTACH THE COPIES TO THIS REPORT.

Duplicate columns 1-8  
from the previous card.Module Q C Format 0 2  
9 10 11 12

## OCCUPANT INFORMATION OC-1

<b>OCCUPANT IDENTIFICATION</b> OCCUPANT NUMBER <u>01</u> <small>13 14</small> ROLE OF OCCUPANT AT 1ST IMPACT <u>1</u> <small>15</small> (1) MOTOR VEHICLE DRIVER (2) MOTOR VEHICLE PASSENGER (NOT DRIVER) (9) UNKNOWN		<b>PHYSICAL DESCRIPTION</b> AGE IN YEARS <u>63</u> <small>20 21</small> (00) LESS THAN 1 YEAR (98) 98 YEARS OR OLDER (99) UNKNOWN AGE IN MONTHS <u>25</u> <small>22 23</small> (00) LESS THAN 1 MONTH (25) 25 MONTHS OR OLDER (99) UNKNOWN MASS (kg) <u>091</u> <small>24 25 26</small> (999) UNKNOWN HEIGHT (cm) <u>168</u> <small>27 28 29</small> (999) UNKNOWN SEX <u>2</u> <small>30</small> (1) MALE (2) FEMALE (9) UNKNOWN	
<b>OCCUPANT POSITION</b> ROW LOCATION <u>1</u> <small>16</small> (1) FRONT (2) SECOND (3) THIRD (4) FOURTH (7) OTHER: _____ (8) EXTERNAL TO PASSENGER COMPARTMENT (E.G. BED OF PICKUP) (9) UNKNOWN LATERAL LOCATION <u>1</u> <small>17</small> (1) LEFT (2) LEFT CENTER (3) CENTER (4) RIGHT CENTER (5) RIGHT (6) ALL (LYING ON SEAT) (8) EXTERNAL TO PASSENGER COMPARTMENT (9) UNKNOWN POSTURE <u>10</u> <small>18 19</small> (10) SITTING ON SEAT (11) SITTING ON SEAT IN ABNORMAL POSITION (E.G. FEET ON DASH, SIDEWAYS) (12) SITTING ON CONSOLE (20) ON LAP OR IN ARMS (30) STANDING ON SEAT (40) STANDING ON FLOOR (47) STANDING, EXTERNAL TO PASSENGER COMPARTMENT (50) IN BASSINET (60) IN CHILD SEAT (65) IN CHILD HARNESS (70) LYING ON SEAT (80) LYING/SITTING ON PASSENGER FLOOR (83) LYING/SITTING ON OTHER OBJECT IN PASSENGER COMPARTMENT: _____ (85) ON CARGO FLOOR/FOLDED SEAT-BACK (87) LYING/SITTING, EXTERNAL TO PASSENGER COMPARTMENT (97) OTHER: _____ (99) UNKNOWN		<b>MEDICAL CONDITIONS</b> TREATMENT/MORTALITY <u>99*</u> <small>31 32</small> (00) NONE (01) FIRST AID AT SCENE (02) TREATED AT HOSPITAL/CLINIC BUT NOT ADMITTED (03) HOSPITALIZED FOR OBSERVATION LESS THAN 24 HOURS (04) HOSPITALIZED OVER 24 HOURS OR FOR SIGNIFICANT TREATMENT (05) FATAL, DEAD AT SCENE (06) FATAL, DOA (07) FATAL, DEAD WITHIN 24 HOURS (08) FATAL, DEAD 24 HOURS TO 31 DAYS LATER (09) FATAL, DEAD 31 DAYS TO 1 YEAR LATER (10) FATAL DEAD WITHIN UNKNOWN PERIOD (99) UNKNOWN INJURY SEVERITY SCORE (ISS) <u>99</u> <small>33 34</small> (99) UNKNOWN NON-IMPACT MED. CONDITIONS <u>9</u> <small>35</small> (0) NONE (1) YES, TIME & TYPE UNKNOWN (2) PRE-CRASH FATAL (CLINICAL DEATH AT WHEEL) (3) PRE-CRASH NON-FATAL (E.G. PRIOR INJURY, STROKE) (4) PREGNANT (5) POST-CRASH FATAL (DROWNING) (6) POST-CRASH NON-FATAL INJURY (7) OTHER: _____ (8) COMBINATION OF ABOVE (CIRCLE EACH) (9) UNKNOWN	

# OCCUPANT INFORMATION OC-2

## MEDICAL CONDITIONS (CONT.)

### POLICE INJURY SEVERITY CODE FOR THIS OCCUPANT

- (0) O - NO INJURY
- (1) C - POSSIBLE INJURY
- (2) B - NON-INCAPACITATING
- (3) A - INCAPACITATING INJURY
- (4) K - FATAL
- (5) INJURED, SEVERITY UNKNOWN
- (6) DIED PRIOR TO IMPACT
- (7) NON-FATAL INJURY,  
SEVERITY UNKNOWN
- (9) UNKNOWN

3  
36

## CHILD SEAT TYPE

- (00) NONE USED
- (01) YES, USED
- (02) INTEGRAL, Chrysler Mini-van
- (88) NOT APPLICABLE  
(ADULT OR OLDER CHILD)
- (99) UNKNOWN

88  
41 42

## CHILD SEAT MAKE/MODEL

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

## RESTRAINT SYSTEM

### ACTIVE RESTRAINT SYSTEM

- (0) NONE
- (1) LAP BELT
- (2) SHOULDER HARNESS ONLY
- (3) BOTH LAP BELT &  
SHOULDER HARNESS
- (9) UNKNOWN

3  
37

### ACTIVE RESTRAINT SYSTEM USAGE

- (0) NONE (AVAILABLE BUT NOT USED)
- (1) LAP BELT ONLY
- (2) SHOULDER HARNESS ONLY
- (3) BOTH LAP BELT &  
SHOULDER HARNESS
- (7) IMPROPER USAGE
- (8) NOT APPLICABLE (NONE AVAILABLE)
- (9) UNKNOWN

0  
38

### PASSIVE RESTRAINT SYSTEM

- (0) NONE
- (1) AIRBAG INSTALLED
- (2) PASSIVE UPPER TORSO  
WITH KNEE BOLSTERS
- (3) PASSIVE UPPER TORSO  
WITHOUT KNEE BOLSTERS
- (4) PASSIVE LAP & UPPER TORSO
- (5) AIRBAG INSTALLED &  
PASSIVE RESTRAINT
- (7) OTHER: \_\_\_\_\_
- (9) UNKNOWN

1  
39

### PASSIVE RESTRAINT SYSTEM USAGE

- (0) SYSTEM DEFEATED
- (1) AIRBAG NOT DEPLOYED
- (2) AIRBAG DEPLOYED
- (3) AIRBAG NOT REINSTALLED
- (4) PASSIVE UPPER TORSO USED
- (5) PASSIVE LAP & UPPER TORSO USED
- (6) SYSTEM USED IN MANUAL MODE
- (7) IMPROPER USAGE
- (8) NOT APPLICABLE (NOT ORIGINALLY  
EQUIPPED)
- (9) UNKNOWN

2  
40

## EJECTION

### DEGREE OF EJECTION

- (0) NONE
- (1) PARTIAL
- (2) COMPLETE
- (7) EJECTED, DEGREE UNKNOWN
- (9) UNKNOWN IF EJECTED

0  
43

### AREA OF EJECTION

- (01) WINDOW, LEFT SIDE
- (02) WINDOW, RIGHT SIDE
- (03) WINDOW, REAR
- (04) DOOR, LEFT SIDE
- (05) DOOR, RIGHT SIDE
- (06) DOOR, REAR OR TAILGATE
- (07) WINDSHIELD
- (08) ROOF OR OPEN CONVERTIBLE OR  
FROM EXTERNAL AREA
- (96) EJECTED AREA UNKNOWN
- (97) OTHER AREA: \_\_\_\_\_
- (98) NOT APPLICABLE (NOT EJECTED)
- (99) UNKNOWN IF EJECTED

98  
44 45

### IF OCCUPANT WAS EJECTED, DESCRIBE IN DETAIL BELOW:

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

## HEAD RESTRAINT

### HEAD RESTRAINT AVAILABLE FOR THIS POSITION

- (0) NOT EQUIPPED OR REMOVED
- (1) EQUIPPED
- (9) UNKNOWN

1  
46

# OCCUPANT INFORMATION OC-3

## OCCUPANT EYEWEAR

- (0) NONE
- (1) GLASSES
- (2) CONTACTS
- (3) BOTH GLASSES AND CONTACTS
- (4) OTHER \_\_\_\_\_
- (8) NOT APPLICABLE
- (9) UNKNOWN

9  
47

## SOURCE OF INFORMATION

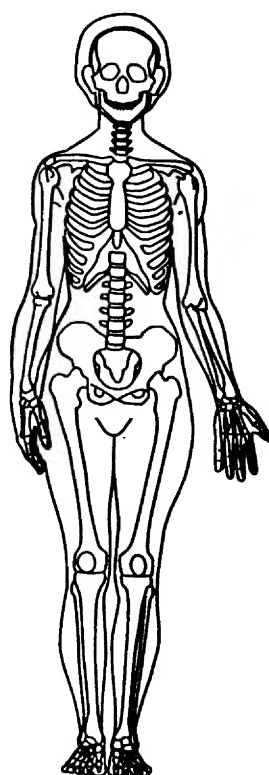
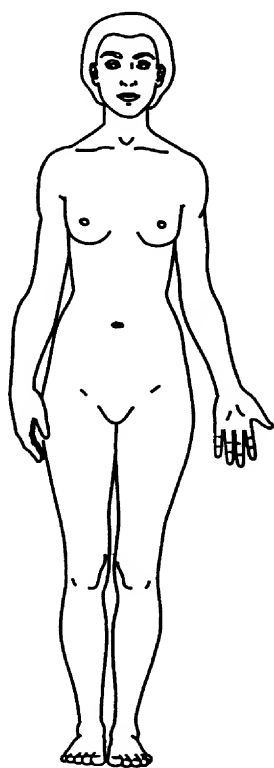
- (0) INTERVIEW
- (1) HOSPITAL
- (2) AUTOPSY
- (3) POLICE
- (4) OTHER \_\_\_\_\_
- (5) LAY CORONER/EXTERNAL EXAM
- (7) COMBINATION OF ABOVE (CIRCLE)
- (8) NOT APPLICABLE
- (9) UNKNOWN

3  
48

Several attempts  
were made to contact  
this occupant, but the  
phone was never answered.  
No answering machine

INDICATE LOCATION OF INJURIES.

Police reported  
"A" injuries



**NOTE:** Each line in the table below is a separate record (card). Duplicate columns 1 - 12 for each completed line.

## OCCUPANT INJURY CLASSIFICATION

[illegible]

**NOTE: USE ADDITIONAL PAGES IF NECESSARY.**

## INJURY CLASSIFICATION IC-2

## CODES FOR AREAS OF POSSIBLE OCCUPANT CONTACT

## FRONT OF PASSENGER COMPARTMENT

- (10) SUNVISOR, FITTING(S) &/OR TOP MOLDING
- (12) WINDSHIELD
- (05) INSTRUMENT PANEL (*SPECIFIC AREA UNKNOWN*)
- (54) UPPER INSTRUMENT PANEL (X)
- (55) MIDDLE INSTRUMENT PANEL (Y)
- (56) LOWER INSTRUMENT PANEL (Z)
- (81) ASH TRAY (*INSTRUMENT PANEL*)
- (02) GLOVE COMPARTMENT AREA
- (47) AIRBAG (ACRS) COMPARTMENT DOOR/COVER
- (57) BENEATH INSTRUMENT PANEL
- (53) PARCEL TRAY
- (48) KNEE RESTRAINT
- (86) VERTICAL CONSOLE
- (28) FOOT CONTROLS (*INCL. PARKING BRAKE PEDAL*)
- (09) STEERING ASSEMBLY (*SPECIFIC AREA UNKNOWN*)
- (65) STEERING WHEEL
- (66) STEERING WHEEL COLUMN
- (59) TRANSMISSION LEVER ON COLUMN
- (03) HARDWARE ITEM (*SPECIFIC AREA UNKNOWN*)
- (82) INSTRUMENT(S)
- (83) CONTROL KNOB(S) & LEVER(S) (*FRONT*)
- (84) PARKING BRAKE HANDLE IN FRONT
- (67) IGNITION KEY
- (06) MIRROR
- (04) HEATER OR AIR CONDITIONING DUCTS
- (01) AIR CONDITIONING OR VENTILATION OUTLET(S)
- (08) RADIO (*BUILT IN*)
- (58) ADD-ON TAPE DECK, RADIO, A/C
- (68) ROOF MOUNTED CONTROLS/CONSOLES

## REAR

- (88) SURFACE OF REAR INTERIOR
- (23) REAR WINDOW
- (39) REAR WINDOW HEADER
- (50) REAR SEAT CUSHION & BACK

## INTERIOR-GENERAL

- (11) TRANSMISSION SELECTION LEVER (*LOCATION UNK.*)
- (59) TRANSMISSION LEVER ON STEERING COLUMN
- (44) TRANSMISSION LEVER ON FLOOR OR CONSOLE
- (07) PARKING BRAKE HANDLE (*LOCATION UNKNOWN*)
- (84) PARKING BRAKE HANDLE IN FRONT
- (85) PARKING BRAKE HANDLE ON FLOOR OR CONSOLE
- (28) FOOT CONTROLS (*INCL. PARKING BRAKE PEDAL*)
- (29) FRONT SEAT-BACK(S)
- (51) FRONT SEAT CUSHION
- (50) REAR SEAT CUSHION & BACK
- (49) ARMREST ON SEAT
- (89) UNDER SEAT BOTTOM
- (33) RESTRAINT SYSTEM HARDWARE
- (34) RESTRAINT SYSTEM WEBBING
- (87) AIR CUSHION SKIN (*AIRBAG*)
- (47) AIRBAG (ACRS) COMPARTMENT DOOR/COVER
- (46) AIRBAG GAS
- (48) KNEE RESTRAINT
- (30) HEAD RESTRAINT
- (42) CHILD SEAT RESTRAINTS
- (43) CHILD SEAT
- (31) INTERIOR LOOSE OBJECT
- (32) OTHER OCCUPANT(S)
- (52) INTERNAL FLYING GLASS (*FROM ANY SOURCE*)
- (41) UNKNOWN INTERIOR SURFACE

## SIDES

- (20) SURFACE OF SIDE INTERIOR
- (19) HARDWARE ON SIDE OR DOOR
- (13) ARMREST ON SIDE OR DOOR
- (24) COAT HOOK

- (22) WINDOW GLASS (*SIDE*)
- (21) WINDOW FRAMES (*SIDE*)

- (26) ROOF SIDE RAIL
- (14) A-PILLAR
- (15) B-PILLAR
- (16) C-PILLAR
- (17) D-PILLAR

## FLOOR

- (40) FLOOR
- (27) CONSOLE ON FLOOR OR BETWEEN SEATS
- (44) TRANSMISSION LEVER ON FLOOR OR CONSOLE
- (85) PARKING BRAKE HANDLE ON FLOOR OR CONSOLE
- (28) FOOT CONTROLS (*INCL. PARKING BRAKE PEDAL*)
- (91) KICKPANEL

## ROOF

- (25) ROOF OR CONVERTIBLE TOP
- (10) SUNVISOR, FITTING(S) &/OR TOP MOLDING
- (26) ROOF SIDE RAIL
- (24) COAT HOOK
- (18) DOME LIGHT
- (39) BACKLIGHT HEADER
- (68) ROOF MOUNTED CONTROLS/CONSOLE
- (69) ROLL BAR

## EXTERIOR SURFACE OF CASE VEHICLE

- (37) OUTSIDE SURFACE OF CASE VEHICLE (*SPECIFIC AREA UNKNOWN*)
- (35) HOOD OF CASE VEHICLE
- (60) EXTERIOR OF CASE VEHICLE (*E.G. OUTSIDE MIRRORS, ANTENNA, TRIM*)
- (62) EXTERIOR SIDE ROOF RAIL OF CASE VEHICLE
- (63) TRUNK LID OF CASE VEHICLE
- (64) TIRES OF CASE VEHICLE

## BEYOND CASE VEHICLE BOUNDARY

- (36) AREA EXTERIOR TO CAR (*SPECIFIC AREA UNK.*)
- (70) HOOD OF OTHER VEHICLE
- (71) OTHER VEHICLE EXTERIOR HARDWARE (*E.G. OUTSIDE MIRRORS, ANTENNA, TRIM*)
- (73) EXTERIOR SIDE ROOF RAIL OF OTHER VEHICLE
- (74) HEADLIGHT OR FRONT GRILL OF OTHER VEH.
- (75) TRUNK OF OTHER VEHICLE
- (76) OUTSIDE SURFACE OF OTHER VEHICLE
- (77) TIRES OF OTHER VEHICLE
- (78) GROUND
- (79) WATER
- (80) EXTERIOR OBJECT (*NOT VEHICLE, GROUND, OR WATER. PLEASE DESCRIBE.*)

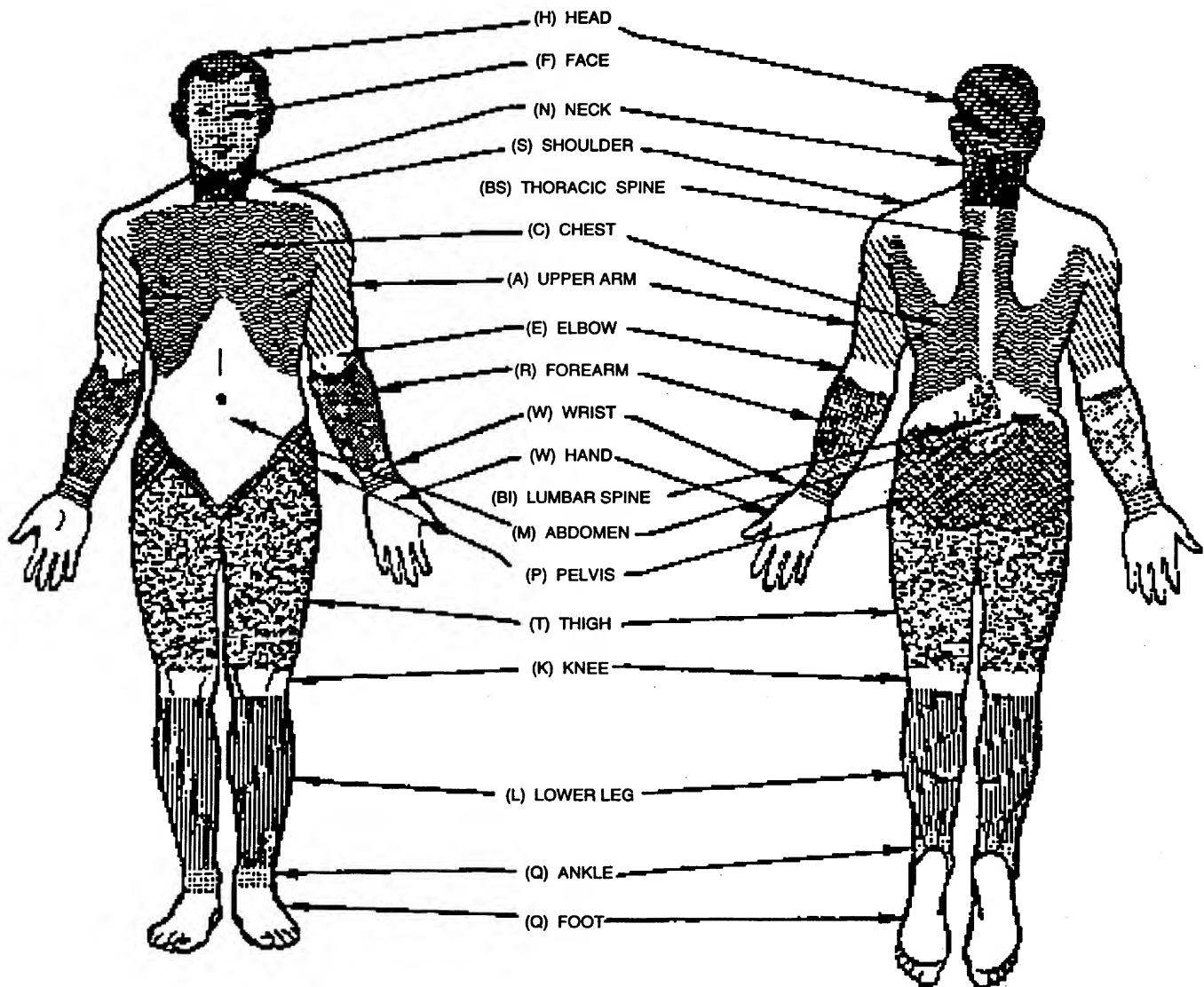
## PENETRATING OBJECTS

- (61) OTHER VEHICLE
- (72) OBJECTS (*DESCRIBE*)

## MISCELLANEOUS

- (00) NO CONTACT (*INVALID FIELD FORM CODE*)
- (38) OTHER (*E.G. FIRE. DESCRIBE*)
- (90) SPARE TIRE
- (96) INDUCED
- (97) EJECTED, UNKNOWN CONTACT
- (98) IMPACT FORCE, "WHIPLASH", HYPEREXTENSION/COMPRESSION
- (99) UNKNOWN AREA OF CONTACT

THE FIGURE BELOW  
IS AN EXPLANATION OF THE BODY REGION CODES  
LISTED ON PAGE IC - 4.





## CODES FOR OCCUPANT INJURY CLASSIFICATION (OIC)

**1 BODY REGION**

(H) HEAD/SKULL  
 (F) FACE  
 (N) NECK  
 (S) SHOULDER  
 (X) UPPER EXTREMITIES  
 (A) ARM (*UPPER*)  
 (E) ELBOW  
 (R) FOREARM  
 (W) WRIST/HAND  
 (C) CHEST  
 (M) ABDOMEN  
 (B) BACK  
 (P) PELVIC/HIP  
 (Y) LOWER EXTREMITIES  
 (T) THIGH  
 (K) KNEE  
 (L) LEG (*LOWER*)  
 (Q) ANKLE/FOOT  
 (O) WHOLE BODY  
 (U) UNKNOWN

**3 LESION**

(L) LACERATION  
 (C) CONTUSION  
 (A) ABRASION  
 (F) FRACTURE  
 (P) PERFORATION,  
 PUNCTURE  
 (K) CONCUSSION  
 (V) AVULSION  
 (R) RUPTURE  
 (S) SPRAIN  
 (D) DISLOCATION  
 (N) CRUSH  
 (M) AMPUTATION  
 (B) BURN  
 (G) DETACHMENT,  
 SEPARATION  
 (Z) FRACTURE AND  
 DISLOCATION  
 (T) STRAIN  
 (E) TOTAL SEVERANCE,  
 TRANSECTION  
 (O) OTHER  
 (U) UNKNOWN

**4 SYSTEM/ORGAN**

(S) SKELETAL  
 (V) VERTEBRAE  
 (J) JOINTS  
 (D) DIGESTIVE  
 (L) LIVER  
 (N) NERVOUS SYSTEM  
 (B) BRAIN  
 (C) SPINAL CORD  
 (E) EARS  
 (O) EYES  
 (A) ARTERIES  
 (H) HEART  
 (Q) SPLEEN  
 (G) UROGENITAL  
 (K) KIDNEYS  
 (R) RESPIRATORY  
 (P) PULMONARY/LUNGS  
 (M) MUSCLES  
 (T) THYROID, OTHER  
 ENDOCRINE GLAND  
 (I) INTEGUMENTARY (*SKIN*)  
 (W) ALL SYSTEMS IN REGION  
 (U) UNKNOWN

**2 ASPECT**

(R) RIGHT  
 (L) LEFT  
 (B) BILATERAL  
 (C) CENTRAL  
 (A) ANTERIOR/FRONT  
 (P) POSTERIOR/BACK  
 (S) SUPERIOR/UPPER  
 (I) INFERIOR/LOWER  
 (W) WHOLE REGION  
 (U) UNKNOWN

BODY REGION	ASPECT	LESION	SYSTEM/ORGAN	SEVERITY
1	2	3	4	5

**5 SEVERITY**  
(OR "AIS", ABBREVIATED INJURY SCALE)

(0) NONE  
 (1) MINOR  
 (2) MODERATE  
 (3) SERIOUS  
 (4) SEVERE  
 (5) CRITICAL  
 (6) MAXIMUM  
 (9) UNKNOWN

Duplicate columns 1-8  
from the previous card.Module 0 C Format 0 2  
9 10 11 12

## OCCUPANT INFORMATION OC-1

## OCCUPANT IDENTIFICATION

OCCUPANT NUMBER

02  
13 14

ROLE OF OCCUPANT AT 1ST IMPACT

- (1) MOTOR VEHICLE DRIVER  
(2) MOTOR VEHICLE PASSENGER  
(NOT DRIVER)  
(9) UNKNOWN

2  
15

## PHYSICAL DESCRIPTION

AGE IN YEARS

- (00) LESS THAN 1 YEAR  
(98) 98 YEARS OR OLDER  
(99) UNKNOWN

74  
20 21

AGE IN MONTHS

- (00) LESS THAN 1 MONTH  
(25) 25 MONTHS OR OLDER  
(99) UNKNOWN

25  
22 23

MASS (kg)

- (999) UNKNOWN

080  
24 25 26

HEIGHT (cm)

- (999) UNKNOWN

183  
27 28 29

SEX

- (1) MALE  
(2) FEMALE  
(9) UNKNOWN

M  
30

## OCCUPANT POSITION

ROW LOCATION

- (1) FRONT  
(2) SECOND  
(3) THIRD  
(4) FOURTH  
(7) OTHER: \_\_\_\_\_  
(8) EXTERNAL TO PASSENGER  
COMPARTMENT (E.G. BED OF PICKUP)  
(9) UNKNOWN

1  
16

LATERAL LOCATION

- (1) LEFT  
(2) LEFT CENTER  
(3) CENTER  
(4) RIGHT CENTER  
(5) RIGHT  
(6) ALL (LYING ON SEAT)  
(8) EXTERNAL TO PASSENGER  
COMPARTMENT  
(9) UNKNOWN

5  
17

POSTURE

- (10) SITTING ON SEAT  
(11) SITTING ON SEAT IN ABNORMAL  
POSITION (E.G. FEET ON DASH,  
SIDEWAYS)  
(12) SITTING ON CONSOLE  
(20) ON LAP OR IN ARMS  
(30) STANDING ON SEAT  
(40) STANDING ON FLOOR  
(47) STANDING, EXTERNAL TO  
PASSENGER COMPARTMENT  
(50) IN BASSINET  
(60) IN CHILD SEAT  
(65) IN CHILD HARNESS  
(70) LYING ON SEAT  
(80) LYING/SITTING ON PASSENGER  
FLOOR  
(83) LYING/SITTING ON OTHER  
OBJECT IN PASSENGER  
COMPARTMENT: \_\_\_\_\_  
(85) ON CARGO FLOOR/FOLDED  
SEAT-BACK  
(87) LYING/SITTING, EXTERNAL TO  
PASSENGER COMPARTMENT  
(97) OTHER: \_\_\_\_\_  
(99) UNKNOWN

10  
18 19

## MEDICAL CONDITIONS

TREATMENT/MORTALITY

- (00) NONE  
(01) FIRST AID AT SCENE  
(02) TREATED AT HOSPITAL/CLINIC  
BUT NOT ADMITTED  
(03) HOSPITALIZED FOR OBSERVATION  
LESS THAN 24 HOURS  
(04) HOSPITALIZED OVER 24 HOURS  
OR FOR SIGNIFICANT TREATMENT  
(05) FATAL, DEAD AT SCENE  
(06) FATAL, DOA  
(07) FATAL, DEAD WITHIN 24 HOURS  
(08) FATAL, DEAD 24 HOURS TO  
31 DAYS LATER  
(09) FATAL, DEAD 31 DAYS TO  
1 YEAR LATER  
(10) FATAL DEAD WITHIN UNKNOWN  
PERIOD  
(99) UNKNOWN

04  
31 32

INJURY SEVERITY SCORE (ISS)

- (99) UNKNOWN

19  
33 34

NON-IMPACT MED. CONDITIONS

- (0) NONE  
(1) YES, TIME & TYPE UNKNOWN  
(2) PRE-CRASH FATAL (CLINICAL  
DEATH AT WHEEL)  
(3) PRE-CRASH NON-FATAL (E.G.  
PRIOR INJURY, STROKE)  
(4) PREGNANT  
(5) POST-CRASH FATAL (DROWNING)  
(6) POST-CRASH NON-FATAL INJURY  
(7) OTHER: aneurysms of iliac  
arteries  
(8) COMBINATION OF ABOVE  
(CIRCLE EACH)  
(9) UNKNOWN

7  
35

## OCCUPANT INFORMATION OC-2

## MEDICAL CONDITIONS (CONT.)

POLICE INJURY SEVERITY  
CODE FOR THIS OCCUPANT

- (0) O - NO INJURY  
 (1) C - POSSIBLE INJURY  
 (2) B - NON-INCAPACITATING  
 (3) A - INCAPACITATING INJURY  
 (4) K - FATAL  
 (5) INJURED, SEVERITY UNKNOWN  
 (6) DIED PRIOR TO IMPACT  
 (7) NON-FATAL INJURY,  
 SEVERITY UNKNOWN  
 (9) UNKNOWN

3  
36

## CHILD SEAT TYPE

- (00) NONE USED  
 (01) YES, USED  
 (02) INTEGRAL, Chrysler Mini-van  
 (88) NOT APPLICABLE  
 (ADULT OR OLDER CHILD)  
 (99) UNKNOWN

88  
41 42

## CHILD SEAT MAKE/MODEL

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

## RESTRAINT SYSTEM

## ACTIVE RESTRAINT SYSTEM

- (0) NONE  
 (1) LAP BELT  
 (2) SHOULDER HARNESS ONLY  
 (3) BOTH LAP BELT &  
 SHOULDER HARNESS  
 (9) UNKNOWN

3  
37

## ACTIVE RESTRAINT SYSTEM USAGE

- (0) NONE (AVAILABLE BUT NOT USED)  
 (1) LAP BELT ONLY  
 (2) SHOULDER HARNESS ONLY  
 (3) BOTH LAP BELT &  
 SHOULDER HARNESS  
 (7) IMPROPER USAGE  
 (8) NOT APPLICABLE (NONE AVAILABLE)  
 (9) UNKNOWN

0  
38

## PASSIVE RESTRAINT SYSTEM

- (0) NONE  
 (1) AIR BAG INSTALLED  
 (2) PASSIVE UPPER TORSO  
 WITH KNEE BOLSTERS  
 (3) PASSIVE UPPER TORSO  
 WITHOUT KNEE BOLSTERS  
 (4) PASSIVE LAP & UPPER TORSO  
 (5) AIR BAG INSTALLED &  
 PASSIVE RESTRAINT  
 (7) OTHER: \_\_\_\_\_  
 (9) UNKNOWN

1  
39

## PASSIVE RESTRAINT SYSTEM USAGE

- (0) SYSTEM DEFEATED  
 (1) AIR BAG NOT DEPLOYED  
 (2) AIR BAG DEPLOYED  
 (3) AIR BAG NOT REINSTALLED  
 (4) PASSIVE UPPER TORSO USED  
 (5) PASSIVE LAP & UPPER TORSO USED  
 (6) SYSTEM USED IN MANUAL MODE  
 (7) IMPROPER USAGE  
 (8) NOT APPLICABLE (NOT ORIGINALLY  
 EQUIPPED)  
 (9) UNKNOWN

2  
40

## EJECTION

## DEGREE OF EJECTION

- (0) NONE  
 (1) PARTIAL  
 (2) COMPLETE  
 (7) EJECTED, DEGREE UNKNOWN  
 (9) UNKNOWN IF EJECTED

0  
43

## AREA OF EJECTION

- (01) WINDOW, LEFT SIDE  
 (02) WINDOW, RIGHT SIDE  
 (03) WINDOW, REAR  
 (04) DOOR, LEFT SIDE  
 (05) DOOR, RIGHT SIDE  
 (06) DOOR, REAR OR TAILGATE  
 (07) WINDSHIELD  
 (08) ROOF OR OPEN CONVERTIBLE OR  
 FROM EXTERNAL AREA  
 (96) EJECTED AREA UNKNOWN  
 (97) OTHER AREA: \_\_\_\_\_  
 (98) NOT APPLICABLE (NOT EJECTED)  
 (99) UNKNOWN IF EJECTED

98  
44 45

IF OCCUPANT WAS EJECTED, DESCRIBE  
IN DETAIL BELOW:

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

## HEAD RESTRAINT

HEAD RESTRAINT AVAILABLE  
FOR THIS POSITION

- (0) NOT EQUIPPED OR REMOVED  
 (1) EQUIPPED  
 (9) UNKNOWN

1  
46

# OCCUPANT INFORMATION OC-3

## OCCUPANT EYEWEAR

- (0) NONE
- (1) GLASSES
- (2) CONTACTS
- (3) BOTH GLASSES AND CONTACTS
- (4) OTHER \_\_\_\_\_
- (8) NOT APPLICABLE
- (9) UNKNOWN

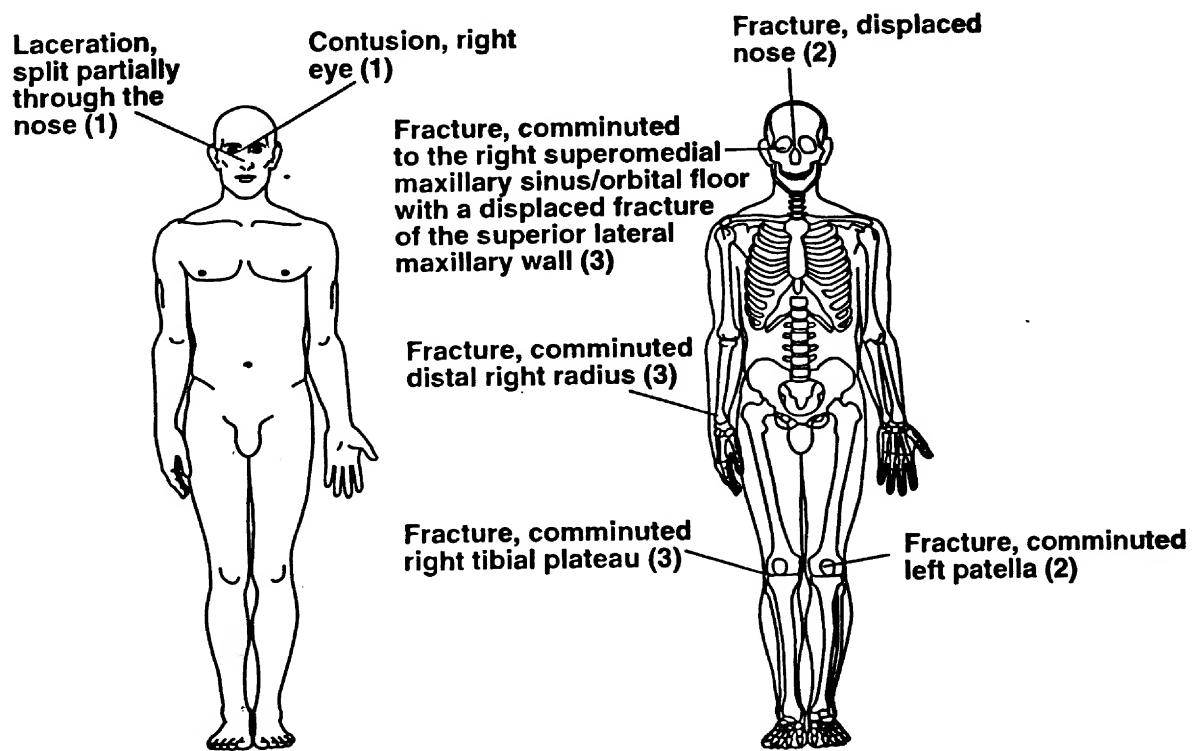
9  
47

## SOURCE OF INFORMATION

- (0) INTERVIEW
- (1) HOSPITAL
- (2) AUTOSPY
- (3) POLICE
- (4) OTHER \_\_\_\_\_
- (7) COMBINATION OF ABOVE (CIRCLE)
- (8) NOT APPLICABLE
- (9) UNKNOWN

1  
48

INDICATE LOCATION OF INJURIES.



Duplicate columns 1-8  
from the previous card.

Module 1 C Format 0 1  
9 10 11 12

# INJURY CLASSIFICATION IC-1

NOTE: Each line in the table below is a separate record (card).  
Duplicate columns 1 - 12 for each completed line.

## OCCUPANT INJURY CLASSIFICATION

					PRIMARY OIC					ASSOCIATED OIC					COMMENTS
OCCUPANT NUMBER	INJURY NUMBER	PLACE CONTACTS IN ORDER OF PROBABILITY (HORIZONTALLY). START WITH MOST PROBABLE IN 1ST CONTACT AREA COLUMN.		AREA(S) OF POSSIBLE CONTACT 1ST 2ND	BODY REGION 1	ASPECT 2	LESION 3	SYSTEM/ORGAN 4	SEVERITY 5	BODY REGION 1	ASPECT 2	LESION 3	SYSTEM/ORGAN 4	SEVERITY 5	
13-14	15-16	17-18	19-20	COMMENTS	21	22	23	24	25	26	27	28	29	30	
01 ↑ Duplicate "Occupant Number" for each line.	01	12	--		F	C	L	I	1	--	--	--	--	--	
	02	12	--		F	R	C	I	1	--	--	--	--	--	
	03	12	--		F	R	F	S	3	--	--	--	--	--	
	04	38	--		R	R	F	S	3	--	--	--	--	--	
	05	48	--		L	R	F	S	3	--	--	--	--	--	
	06	48	--		K	L	F	S	2	--	--	--	--	--	
	07	12	--		F	C	F	S	2	--	--	--	--	--	
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	--	--	--		--	--	--	--	--	--	--	--	--	--	

NOTE: USE ADDITIONAL PAGES IF NECESSARY.

Location: 181 00

Year: c. 2000 Bridge

Type: Unknown: Left side side pierage

Owner: BC span side female

Notes: Shows military trucks at station

Light Color:

Daylight

Shape or Class:

17' x 10' concrete pier

Photo: 181 00 station: Concrete



North

Station 181 00 (181 00)

181 00



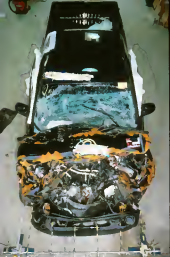
181 00

181 00



PN 18100#2





**PN 18100 #3**  
**Best Available**



**PN 18100 #4**  
**Best Available**



**PN 18100 #5**  
**Best Available**



**PN 18100 #6**  
**Best Available**



**PN 18100 #7**  
**Best Available**



PN 18100 #8



**PN 18100 #9**  
**Best Available**



PN 18100 #10





**PN18100#11**  
**Best Available**



PN 18100 #12



**PN 18100 #13**  
**Best Available**



PN 18100 #14



PN 18100#15



PN 18100 #18



PN 18100 #17

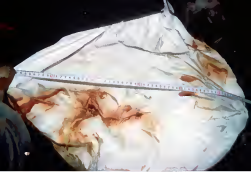


PN 18100 #18

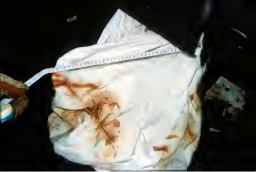




PN 18100719



PN 18100 #20



PN 18100 #21



PN 18100 #22



PN 18100 #23



PN 18100 #24



PN 18100#25



PN 18100 #26





PN 18100 #27



PN 18100 #28



PN 18100 #29



**PN 18100#30**



PN 18100 #31



PN 18100 #32



PN 18100 #33



PN 18100 #34





PN 18100 #35



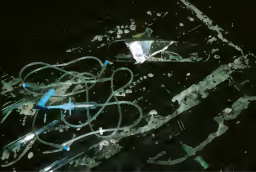
PN 18100 #38



PN 18100#37



PN 18100 #38



PN 18100 #39



PN18100#40  
Best Available



PN18100#41  
Best Available



**PN 18100 #42**  
**Best Available**





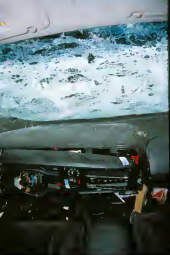
PN 18100 #43



PN 18100#44



PN 18100 #45



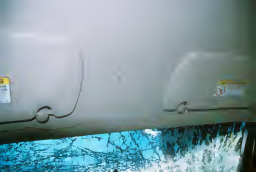
PN 18100 #46



PN 18100 #47



PN 18100 #48

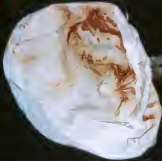


PN 18100#49



PN 18100#50





PN 18100 #51



PN 18100-#52



PN 18100 #53



PN 18100 #54



PN 18100-#55



PN 18100#66



PN 18100 #57



PN 18100 #58



Site ID

Study Group

Baseline - All study and protocol

20-444- 45-year-old female

180 cm 60 kg

17

11 Sep 2008 00

2 point lead application, limb(s) deployed

11 am London

unlabeled

File not reported

A. reported



